

GenScript Product Catalog

2010-2011

GenScript Product Catalog

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GenScript USA Inc.
120 Centennial Ave.
Piscataway, NJ 08854
USA

Tel: 1-732-885-9188 / 1-732-885-9688
Toll-Free Tel: 1-877-436-7274
Fax: 1-732-210-0262 / 1-732-885-5878
Email: info@genscript.com

Business Development
Tel: 1-732-317-5088
Email: bd@genscript.com



Welcome to GenScript

GenScript USA Incorporation, founded in 2002, is a fast growing biotechnology company and contract research organization (CRO) specialized in custom services and consumable products for academic and pharmaceutical research. Built on our assembly-line mode, one-stop solution, continuous improvement, and stringent IP protection, GenScript provides a comprehensive portfolio of products and services at the most competitive prices in the industry to meet your research needs every day.

Over the years, GenScript's scientists have developed many innovative technologies that allow us to maintain the position at the cutting edge of biological and medical research while offering cost-effective solutions for customers to accelerate their research. Our advanced expertise includes proprietary technology for custom gene synthesis, OptimumGene™ codon optimization technology, CloneEZ® seamless cloning technology, FlexPeptide™ technology for custom peptide synthesis, BacPower™ technology for protein expression and purification, T-Max™ adjuvant and advanced nanotechnology for custom antibody production, as well as ONE-HOUR Western™ detection system and eStain™ protein staining system.

GenScript offers a broad range of reagents, optimized kits, and system solutions to help you unravel the mysteries of biology. We also provide a comprehensive portfolio of customized services that include Bio-Reagent, Bio-Assay, Lead Optimization, and Antibody Drug Development which can be effectively integrated into your value chain and your operations. All of this adds up to maximum flexibility and convenience to meet your most demanding research needs.

Our dedication to innovation and quality has helped us establish strong partnerships with customers in over 70 countries, including many top pharmaceutical companies in the world. GenScript is headquartered in Piscataway, the heart of New Jersey's pharmaceutical valley, with subsidiaries in France, Germany, Japan, and China.

Navigating the Catalog

The 2010-2011 product catalog is organized by scientific application and divided into six chapters. Browse through the catalog for information on the popular products in molecular biology and cell biology and see our featured products. We are confident you will find 2010-2011 Product Catalog full of relevant and timely products and services to support your discovery or development program. Please visit our website at www.genscript.com to find new product information, cutting-edge tools, and resources as well as to view the complete portfolio of products and services.

Ordering and Technical Support

For your convenience, you may place your order by the method that is best for you: choose to order online, by email, phone, mail, or fax. Our highly efficient customer service representatives will process your order quickly and accurately.

Order Online

You have two options for placing orders electronically:

- Get your account, and place your order online after you login in at <http://www.genscript.com>
- Email your order to order@genscript.com

Order by Phone, Mail, or Fax

When you order, please include the following information:

- Name and phone number of the end user
- Name of the principal investigator
- Name and phone number of the purchasing agent
- Catalog number and description of product
- Quantity and size of product
- Shipping address
- Billing address

Order by Phone

Call 1-732-885-9188/1-732-885-9688 to place your order by phone. You will speak directly with a helpful customer service representative. GenScript provides 24-hour service Monday through Friday.

You can also place your order by voicemail anytime, day or night. We accept Visa, MasterCard, American Express, and the American Express Corporate Purchasing Card.

Order by Mail

If you would like to send us written confirmation of your order, please be sure it is clear marked "Confirming Order—Do Not Duplicate".

GenScript USA Inc.
120 Centennial Ave.
Piscataway, NJ 08854 USA

Order by Fax

Fax your order to: 1-732-210-0262 / 1-732-885-5878

Technical Support

Our technical support lines are 24-hour service Monday through Friday. Customer Service representatives are here to assist you with ordering. Contact us from anywhere in the US:

- Technical Support
Email: support@genscript.com
Online: http://www.genscript.com/technical_support.html
- Customer Service
Email: order@genscript.com
Phone: 1-732-885-9188 / 1-732-885-9688
Toll-free phone: 1-877-436-7274

International Order

International customers should order directly from the nearest authorized distributor of GenScript products. For the location of the nearest distributor, refer to the distributor address list at <http://www.genscript.com/distributor.html>. International customers can easily order from GenScript directly without local distributor for most countries. The estimated shipping price is based on FedEx international priority with 1LB FedEx Envelope and 3LB Box.

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THE™ Elite Antibodies

The unmistakable, the irreplaceable, and the best quality in the industry



THE™ Elite Antibody series are the most precise and effective antibodies that meet the most demanding research requirements.

- Ultra Sensitivity-More sensitive than the most popular antibodies in the market
- Ultra Specificity-No cross-reactivity
- Ultra Affinity-Ultra-low dissociation constant Kd
- Ultra Reactivity-Recognize and bind even partially exposed terminal and internal tags
- Ultra Clear Background
- Ultra Convenience-No secondary antibody needed for conjugated antibodies
- Ultra Stability-Stable lyophilized form for at least two years



Featured Products

QuickClean 5M MiniPrep Kit



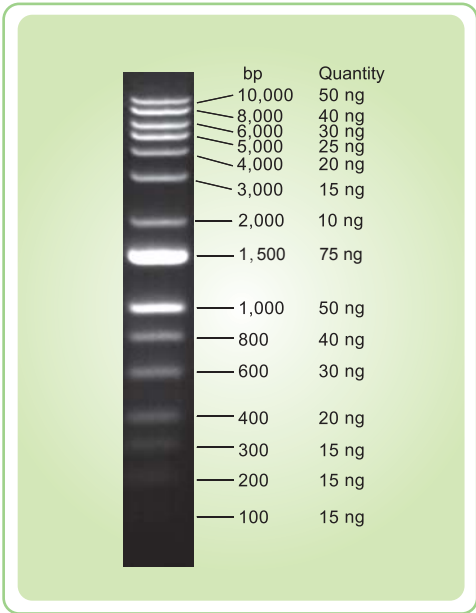
For rapid purification of up to 20 µg plasmid DNA

- **Fast**—Minipreps can be completed within 5 minutes
- **High Capacity**—Up to 20 µg
- **High Purity**—Removal efficiency >99%
- **Reproducible Yields**—Recovery efficiency > 90 %

The QuickClean 5M MiniPrep Kit is ideal for rapid purification of molecular biology-grade plasmid DNA from 1-5 ml overnight bacterial cultures, yielding up to 20 µg. The mini-spin columns make use of a unique silica membrane to achieve high yields using a simple bind-wash-elute procedure. The QuickClean 5M MiniPrep Kit provides reproducible yields of plasmid DNA, free of RNA, proteins, and other contaminants. Plasmid DNA is eluted in water or TE and ready for use in standard molecular biology applications.

For more information on plasmid DNA purification, see page 3 or visit http://www.genscript.com/dna_purification.html

KB Plus DNA Logical Ladder



One DNA marker meets all your sizing and quantifying needs

- **Save Money**—Purchase only one ladder
- **Easy**—Sizing and quantifying DNA fragments together
- **Save time and effort**—The ready-to-use format eliminates preparation steps and can be conveniently stored on your bench top.

The KB Plus DNA Logical Ladder provides accurate sizing and quantifying of nucleic acid fragments from 100 to 10,000 base pairs. The ready-to-use format minimizes time spent thawing, diluting, and adding sample buffer to your DNA ladders. Simply transfer your ready-to-use DNA Ladder from the vial to the gel. The ladder is stable at room temperature and can be stored on your bench top.

For most electrophoresis applications you need only one ladder—KB Plus DNA Logical Ladder. You'll accurately size and quantify fragments from 100 bp to 10 kb and save money, time and effort. Order today.

For more information on KB Plus DNA Logical Ladder, see page 9 or visit http://www.genscript.com/dna_marker.html

Green PCR Reagents

The environmentally friendly PCR reagents for your success

- **Stable at room temperature**
- **Enhanced yield with longer enzyme half-life**
- **Stop refrigerating and save energy**

GenScript's advanced high-stability technology has led to the invention of the new generation of PCR reagents—Green PCR Reagents. The Green series of reagents, from the proprietary **Taq**, **dNTP**, to **PCR mixtures**, are stable at room temperature for one month or at 4°C for over six months. The high-stability feature allows the increase in the half-life of active enzymes at high temperatures, therefore more amplification cycles are carried out and higher yield generated. With no freeze-thaw cycles, Green PCR reagents provide you an instant access to high-throughput PCR automation. In addition, GenScript's Green PCR Reagents can help to preserve energy in storage and shipping.

For more information on Green PCR Reagents, see page 15 or visit http://www.genscript.com/green_pcr_reagents.html



CloneEZ® PCR Cloning Kit

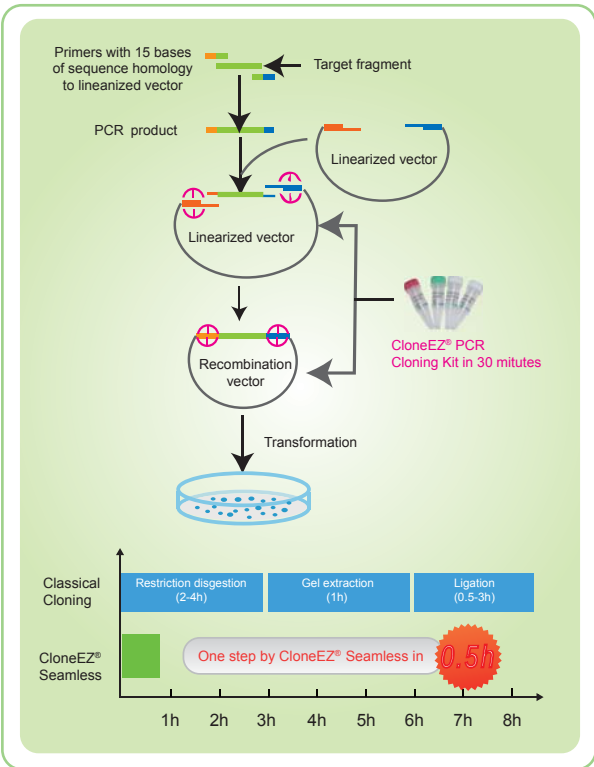
No more restriction site headaches

- **Universal**—Clone any insert, into any location within any vector you choose
- **Fast and Easy**—30 minutes, one-step incubation at room temperature
- **High Efficiency**—Success rate over 95%
- **Compatibility**—The kits is highly compatible with high-throughput PCR cloning

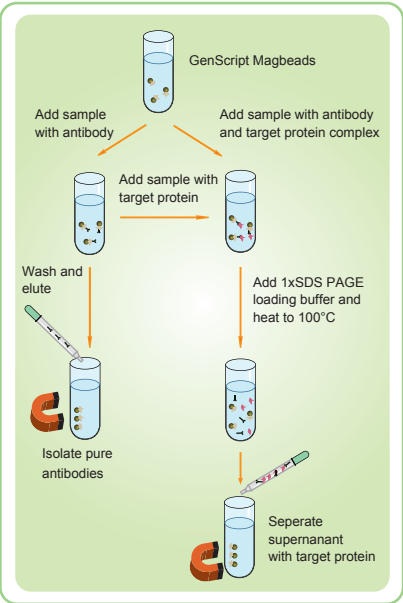
GenScript's proprietary CloneEZ® seamless cloning technology is a cutting-edge, recombination-based cloning technology that can accurately and efficiently assemble genes and gene fragments in any combination of sequences. The CloneEZ® PCR Cloning Kit is designed for the quick cloning of PCR products without any headaches of restriction sites. The universal CloneEZ® cloning method works with any insert and any vector at any restriction site. Using our proprietary CloneEZ® enzyme, this kit rapidly generates precise, directional constructs in 30-minute at room temperature.

CloneEZ® PCR Cloning Kit can cut down PCR cloning time to 30 minutes from traditional 3.5 hours, with one-step procedure instead of multiple steps. Order today!

For more information on CloneEZ® PCR Cloning Kit, see page 22 or visit http://www.genscript.com/cloneez_pcr_cloning_kit.html



Magnetic Beads for Protein Isolation



Magnetic separation of protein and protein complexes

- Quick and convenient separation
- High capacity
- Minimum nonspecific binding
- Reusable up to six times

GenScript provides a series of magnetic beads that efficiently and reliably purify target recombinant proteins and antibodies from any type of cell lysates. Monosized, magnetic beads with Protein A, or Protein G, or a specific antibody coupled to their surface provide a suspendable solid support for immunoprecipitation of pure target proteins. The captured immune complexes are easily removed from the supernatant by magnetic separation. Magnetic separation technology allows for simple and efficient washing. The pure precipitate can then be eluted from the beads and analyzed by western blotting or mass spectrometry.

For more information on MagBeads for protein isolation, see page 41 or visit http://www.genscript.com/Magnetic_bead_products.html

eStain™ Protein Staining System

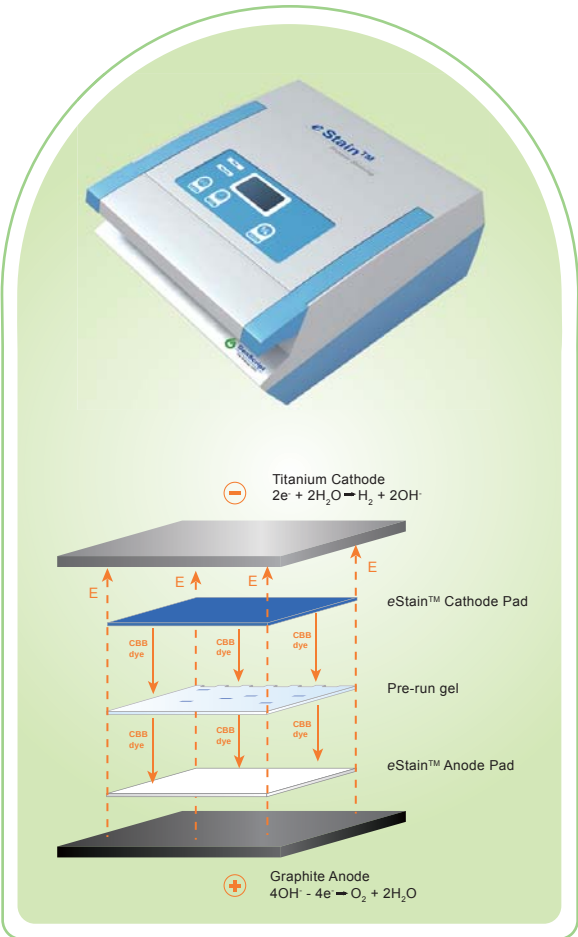
Revolutionary electric staining system for 7-min protein gel staining

- **Faster**—Complete protein staining in 7 minutes or less
- **Easier**—Hit button and run
- **Cleaner**—No buffer prepared
- **Safer**—Unique formulation without methanol

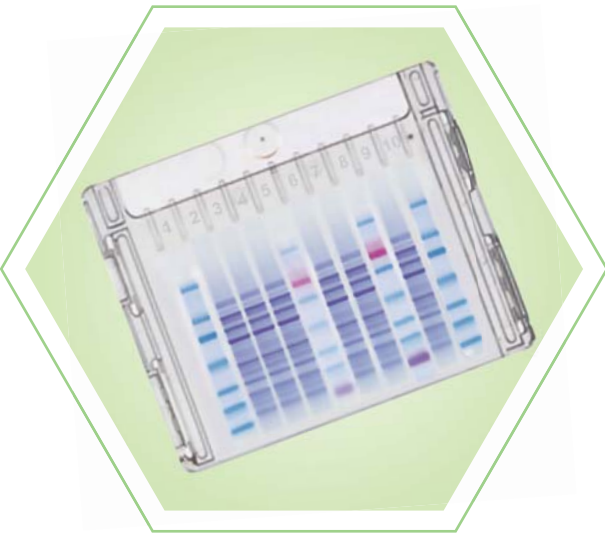
The eStain™ Protein Staining System is designed to quickly and reliably perform protein staining with Coomassie Blue dye reagents in 7 minutes or less. It consists of the eStain™ Protein Staining Device and eStain™ Protein Staining Pad. The eStain™ Protein Staining System integrates three steps of traditional Coomassie Blue staining procedure into one step and greatly cuts down the time required for protein staining analysis, thereby resulting in consistent performance.

The eStain™ Protein Staining System is compatible with a wide range of polyacrylamide gels, including Express™ PAGE, Bis-Tris, Tris-Acetate, Tris-Glycine, and Tris-Tricine gels. In addition to ease and convenience, the eStain™ Protein Staining System provides as high detection sensitivity as conventional Coomassie Blue staining method. In the end, you'll see sharp protein bands with clear background.

For more information on eStain™ Protein Staining System, see page 49 or visit http://www.genscript.com/eStain_protein_staining_system.html



Express™ PAGE Gel System



High-performance and high-quality precast protein gels

- Superior protein band resolution
- Fast sample running time (45 min or less)
- High protein transfer efficiency
- Long shelf life (Up to 12 months at 4°C)

The Express™ PAGE Gel System is a high-performance precast polyacrylamide gel system with a variety of acrylamide percentages. With GenScript's proprietary technology, Express™ PAGE gels are designed as an easy-to-use tool. The unique gel formulations eliminate the "smiles" and poor resolution of other gel types. You'll produce reliable separation results every time. In addition, proteins transfer from Express™ PAGE gels is more efficient, leading to more sample on your membrane for higher detection signals during western analysis.

For more information on Express™ PAGE Gel system, see page 43 or visit http://www.genscript.com/express_page_gels.html

ONE-HOUR Western™ Detection System

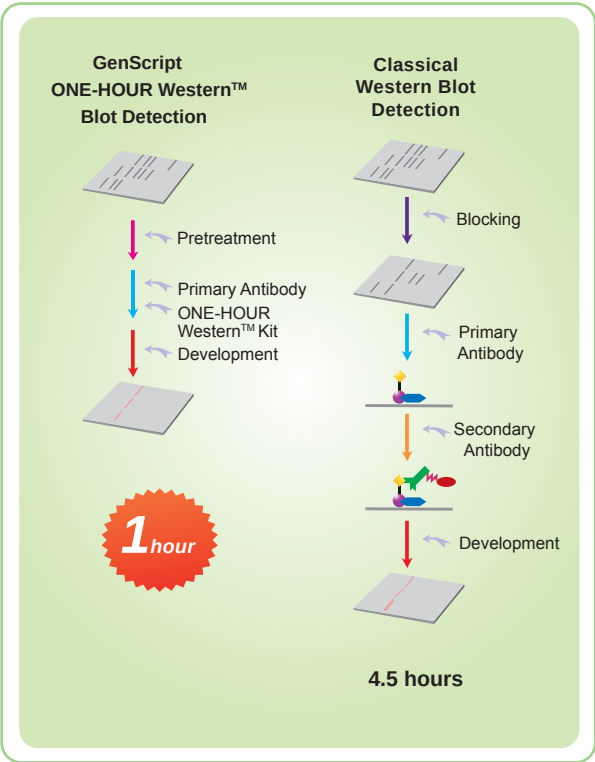
Accurate western analysis in less time and with less effort

The ONE-HOUR Western™ detection system is designed to produce high signal with low background for quick and clear Western analysis of proteins. GenScript's breakthrough ONE-HOUR Western™ technology streamlines the classical Western blot analysis by bypassing secondary antibody binding and washing steps. The kits reduce the total Western blot analysis time from 4.5 hours down to only one hour.

ONE-HOUR Western™ Kit Selection Guide

ONE-HOUR Western™ Detection Kits	Features	Total Time
ONE-HOUR Western™ Standard Kits	• Recommended for regular users • Convenient package with all reagents included • Fast and easy to perform • High sensitivity and low background	1 hour
ONE-HOUR Western™ Advanced Kits	• Recommended for detection of low amounts of protein • Higher sensitivity and lower background	1.25 hours
ONE-HOUR IP-Western Kits	• For immunoprecipitated proteins • Low background • Journal-quality images	1 hour
ONE-HOUR Western™ Fluorescent Kit	• No dark room, developer or X-Ray film is needed • More sensitive than traditional chemiluminescence methods	1.25 hours
ONE-HOUR Western™ Multiplex Fluorescent Kit	• Simultaneous detection of multiple targets on a single blot • Saves time associated with optimizing fluorescent Western blots	1.25 hours

For more information on ONE-HOUR Western™ detection system, see page 51 or visit http://www.genscript.com/western_tech.html



Endotoxin Detection and Removal System



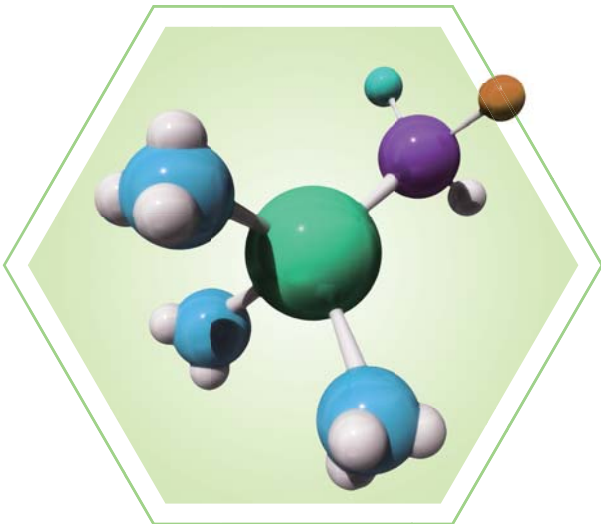
Endotoxin-free world coming with GenScript

Endotoxin test is the most critical quality control test required by FDA for all drugs in the final formulation. Because endotoxins are invariably associated with every gram-negative bacteria, they cause severe reactions in humans and animals and retain high toxic activity even at low concentration. In addition, endotoxins are suspected to play an important role in the occurrence and development of many different diseases.

GenScript is a leading company to provide innovative techniques for endotoxin detection and removal. The ToxinSensor™ Endotoxin Assay Kits are designed to detect *in vitro* endotoxin level in a broad range of 0.005–1 EU/ml for human and animal parenteral drugs and biological samples. The ToxinEraser™ Endotoxin Removal Kit provides higher removal efficiency in which endotoxin level can drop below 0.1 EU/ml.

For more information on Endotoxin Detection and Removal System, see page 47 or visit http://www.genscript.com/endotoxin_detection_and_removal_system.html

Catalog Peptides



Tired of small peptide pools? Come swim in our ocean!

GenScript has a comprehensive collection of pharmaceutical peptides including β -amyloid peptides, blocking peptides and cosmetic peptides, and *etc.* We have a worldwide customer base in the cosmetic and pharmaceutical industries along with academic institutions. GenScript can provide a variety of reliable cGMP peptides capable of increasing the speed and accuracy of your research.

All GenScript's peptides come equipped with QC data, including HPLC and MS profiles. There are over 1,500 different peptides with several quantity scales available. All the peptides in our catalog are offered at over 95% purity. Let GenScript's state-of-the-art peptide synthesis technology and experienced peptide chemists to be your partners toward your success. If your peptide is not listed in our catalog, GenScript can synthesize any quantity of cGMP or research grade peptides for you.

For more information on Catalog Peptides, see page 185 or visit http://www.genscript.com/peptide_products.html

THE™ Elite Antibodies

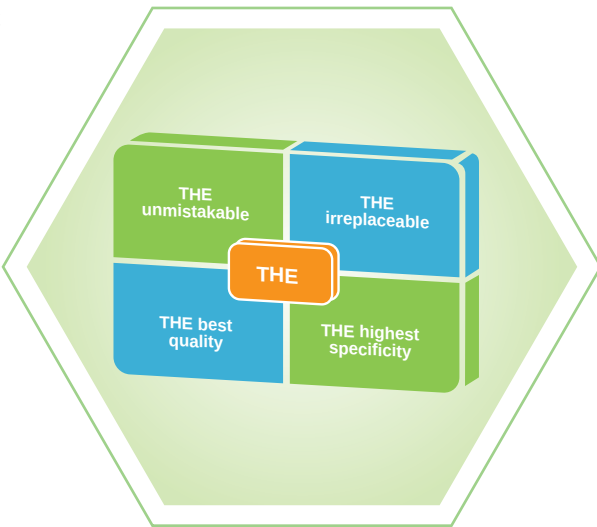
The most precise and effective antibodies

- **Ultra Sensitivity**—More sensitive than most popular antibodies in the market
- **Ultra Specificity**—No cross-reactivity
- **Ultra Affinity**—Ultra-low dissociation constant K_d
- **Ultra Reactivity**—Recognize and bind even partially exposed terminal and internal tags
- **Ultra Clear Background**
- **Ultra Convenience**—No secondary antibody needed for conjugated antibodies
- **Ultra Stability**—Stable in lyophilized form for at least two years

THE™ Elite Antibody series are the most precise and effective antibodies that meet the most demanding research requirements. THE™ stands for THE unmistakable, THE irreplaceable, and THE best quality in the industry. To produce THE™ Elite Antibodies, the most productive and stable hybridoma cell clones were selected. THE™ Elite Antibodies are then isolated from the cell line that shows the highest specificity against the corresponding immunogens.

Are you concerned about small samples, partially exposed tags, fusion-protein denaturation, or any other obstacles? Order GenScript's THE™ Elite antibodies, and you are on your way to solve the problems you encounter in your research.

For more information on THE™ Elite Antibodies, see page 75 or visit http://www.genscript.com/THE_antibody.html



Ready-to-Use™ Frozen Cell Lines

Make GPCR studies easy and standard

- **Reliability**—Each batch of Ready-to-Use™ Frozen Cells is validated according to stringent criteria to assure consistent results.
- **Convenience**—Ready-to-Use™ Frozen Cells can trim time and aggravation out of functional testing. Instead of engaging in a lengthy in-house culturing process, simply thaw the cells, plate them, and run the assays.
- **Variability Arrest**—Chemically treated cells with optimized protocol to alleviate biological variability.
- **Speed**—Assays can be finished within 24 hours after thawing the cells.

Cell-based assays can often be challenging and time-consuming. To smooth and streamline this complicated process, GenScript has developed a series of Ready-to-Use™ Frozen Cells that can be conveniently employed in functional GPCR receptor assays. GenScript's scientists culture and freeze the cells using optimized protocols that can arrest cell growth to reduce variability in cellular assays.

For more information on Ready-to-Use™ Frozen Cells, see page 227 or visit http://www.genscript.com/ready-to-use_frozen_cells.html





Chapter 1 Nucleic Acid Purification and Analysis

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Plasmid DNA Purification

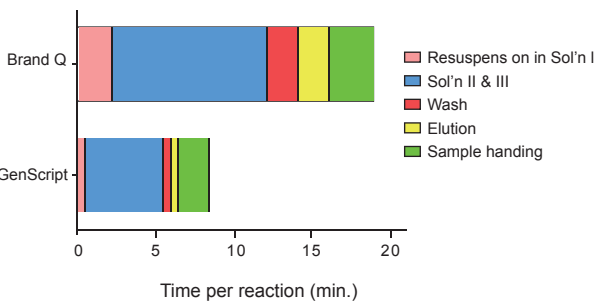
QuickClean 5M Miniprep Kit

For rapid purification of up to 20 µg plasmid DNA

- **Fast**—Completed within 5 minutes
- **High Capacity**—Up to 20 µg
- **High Purity**—Removal efficiency >99%
- **Reproducible Yields**—Recovery efficiency >90%

The QuickClean 5M Miniprep Kit is ideal for rapid purification of molecular biology-grade plasmid DNA from 1–5 ml overnight bacterial cultures, yielding up to 20 µg. The mini-spin columns make use of an unique silica membrane to achieve high yields using a simple bind–wash–elute procedure. The QuickClean 5M Miniprep Kit provides reproducible yields of plasmid DNA, free of RNA, proteins, and other contaminants. Plasmid DNA is eluted in water or TE and ready for use in standard molecular biology applications.

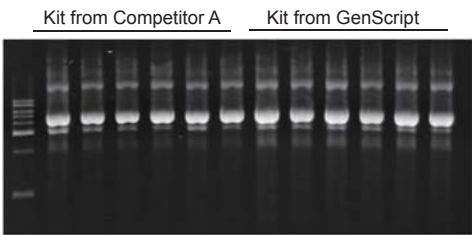
Comparison of preparation time: QuickClean 5M Miniprep Kit vs. other brand kit



Product Overview:

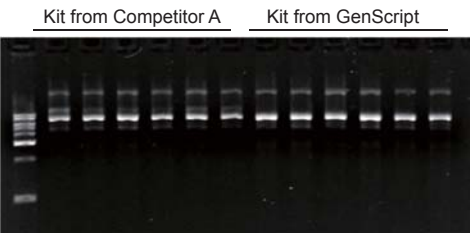
Product	Quantity	Cat. No.	Price
QuickClean 5M Miniprep Kit	250 Preps	L00193	\$145

Plasmid DNA purification from *E. coli* bearing high-copy-number plasmids



The QuickClean 5M Miniprep Kit* is compared to a commercially available kit* (Competitor A) for rapid purification of plasmid DNA from *E. coli* bearing high-copy-number plasmids.

Plasmid DNA preparation from *E. coli* bearing low-copy-number plasmids



The QuickClean 5M Miniprep Kit* is also compared with the kit* from Competitor A for rapid purification of plasmid DNA from *E. coli* bearing low-copy-number plasmid.

* Both kits have been used in compliance with the protocols provided by the manufacturers.

QuickClean 96-well Plasmid Miniprep Kit

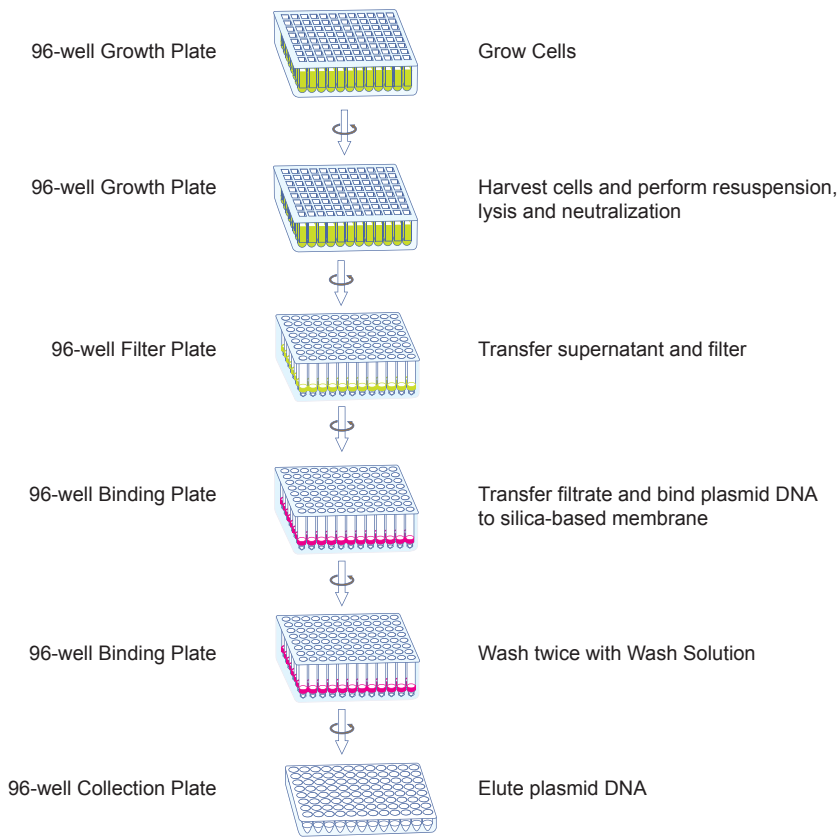
For purification of up to 20 µg plasmid DNA in a 96-well format

- High yields of high-purity plasmid DNA
- Processing flexibility with multi-format protocols
- Improved plate design and easy-to-use protocol

The QuickClean 96-well Plasmid Miniprep Kit combines advanced silica plate extraction chemistry with an optimized 96-well plate design for manual or automated processing of plasmid DNA from *E. coli* in as little as 60 minutes. The kit uses two 96-well plates, a filter plate, and a binding plate to purify

plasmid DNA. The bacterial lysate is then applied to the QuickClean Filter Plate and collected in the QuickClean Binding Plate where the plasmid DNA binds to the silica membrane. After washing steps to remove any contaminants, high-purity DNA is eluted and ready for use in downstream applications, including sequencing, restriction enzyme digestion, cloning and PCR.

From *E. coli* culture to high-purity plasmid DNA in 60 minutes



Product Overview:

Product	Quantity	Cat. No.	Price
QuickClean 96-well Plasmid Miniprep Kit	384 Preps	L00237	\$488

For more information on plasmid DNA purification, visit http://www.genscript.com/dna_purification.html

PCR Purification

QuickClean 5M PCR Purification Kit

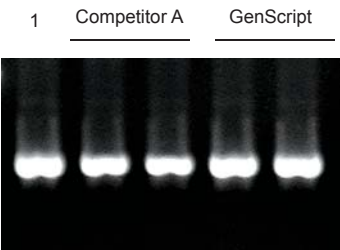
Simple and rapid purification of PCR products

- Rapid PCR product purification
- 15 minutes protocol with no gel purification
- Single-column or 96-well plate format

The QuickClean 5M PCR Purification Kit provides rapid and efficient removal of short primers, unincorporated dNTPs, enzymes, and salts from PCR reactions. DNA molecules

ranging in size from 70 to 10,000 base pairs are adsorbed onto QuickClean column while impurities such as enzymes and proteins, small DNA fragments, dyes, salts, nucleotides and short oligonucleotides (such as primers and probes) are washed away.

The QuickClean 5M PCR Purification Kit is compared to a commercially available kit (Competitor A) for rapid PCR DNA product purification from PCR reactions. The results are shown below:



Both kits were used in accordance with the protocols provided by the manufacturers. Two PCR DNA purifications were performed using each kit. The same volume of PCR material was used in each purification. Lane 1 shows unpurified material.

Product Overview:

Product	Quantity	Cat. No.	Price
QuickClean 5M PCR Purification Kit	250 Preps	L00198	\$145
QuickClean 96-well PCR Purification Kit	384 Preps	L00238	\$295

For more information on PCR purification, visit http://www.genscript.com/dna_purification.html

QuickClean 96-well Purification Kit is used to purify DNA fragment between 100 bp and 15 kb. The results are shown below:



M: KB Plus DNA Logical Ladder (GenScript, Cat.No. M103R)
U: Unpurified PCR products P: Purified PCR products
Lane 1: 15 kb Lane 2: 10 kb
Lane 3: 8 kb Lane 4: 4 kb
Lane 5: 2 kb Lane 6: 1 kb
Lane 7: 500 bp Lane 8: 200 bp
Lane 9: 150 bp Lane 10: 100 bp

Nucleic Acid Electrophoresis

All-In-One Precast Agarose Gel Electrophoresis Kits

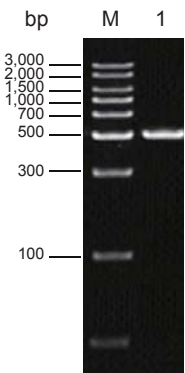
Fast, convenient and easy electrophoresis

- **All-In-One Format**—Includes precast agarose gels, loading buffer with dye and ready-to-use DNA marker
- **Improved Safety**—GelRed to be much less mutagenic than ethidium bromide
- **Fast**—Done in as little as 30 minutes
- **Long Shelf Life**—Up to 6 months

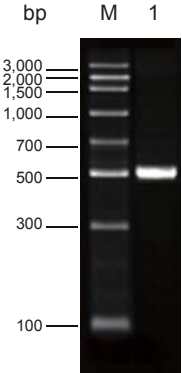
ready-to-use DNA markers in one package. There are no gels to pour, staining and destaining required. Just load your samples and run in a regular gel box.

Precast gels contain GelRed dye for DNA visualization. GelRed is more sensitive, less mutagenic, and more environmentally-friendly than ethidium bromide. Precast gels offer excellent resolution and clarity in as little as 30 minutes. To meet your different needs, the kits are available in a variety of well formats and agarose percentages.

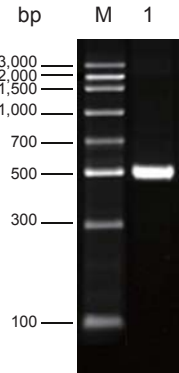
Electrophoresis Results for All-In-One Precast Agarose Gel Electrophoresis Kits



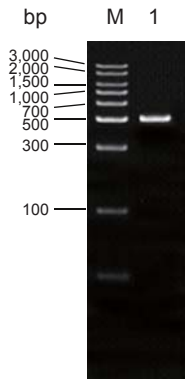
0.8% Agarose
Cat. No. L00333
M: Middle-Range DNA Marker
1: PCR Products (500 bp)



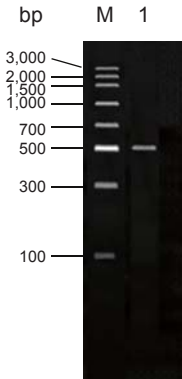
1.2% Agarose
Cat. No. L00334
M: Middle-Range DNA Marker
1: PCR Products (500 bp)



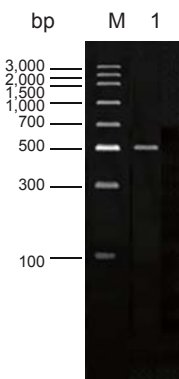
2.0% Agarose
Cat. No. L00335
M: Middle-Range DNA Marker
1: PCR Products (500 bp)



0.8% Agarose
Cat. No. L00347
M: Middle-Range DNA Marker
1: PCR Products (500 bp)



1.2% Agarose
Cat. No. L00348
M: Middle-Range DNA Marker
1: PCR Products (500 bp)



2.0% Agarose
Cat. No. L00349
M: Middle-Range DNA Marker
1: PCR Products (500 bp)

Kit Components:

Cat. No.	Precast Gels	6X DNA Loading Buffer Containing GelRed	Ready-to-Use™ 1 KB DNA Ladder	Ready-to-Use™ Middle-Range DNA Ladder
L00333	8 (9-Well)	150 µl	60 µl	
L00334	8 (9-Well)	150 µl		60 µl
L00335	8 (9-Well)	150 µl		60 µl
L00344	8 (2 x 9-Well)	300 µl	100 µl	
L00345	8 (2 x 9-Well)	300 µl		100 µl
L00346	8 (2 x 9-Well)	300 µl		100 µl
L00347	8 (17-Well)	300 µl	100 µl	
L00348	8 (17-Well)	300 µl		100 µl
L00349	8 (17-Well)	300 µl		100 µl

Product Overview:

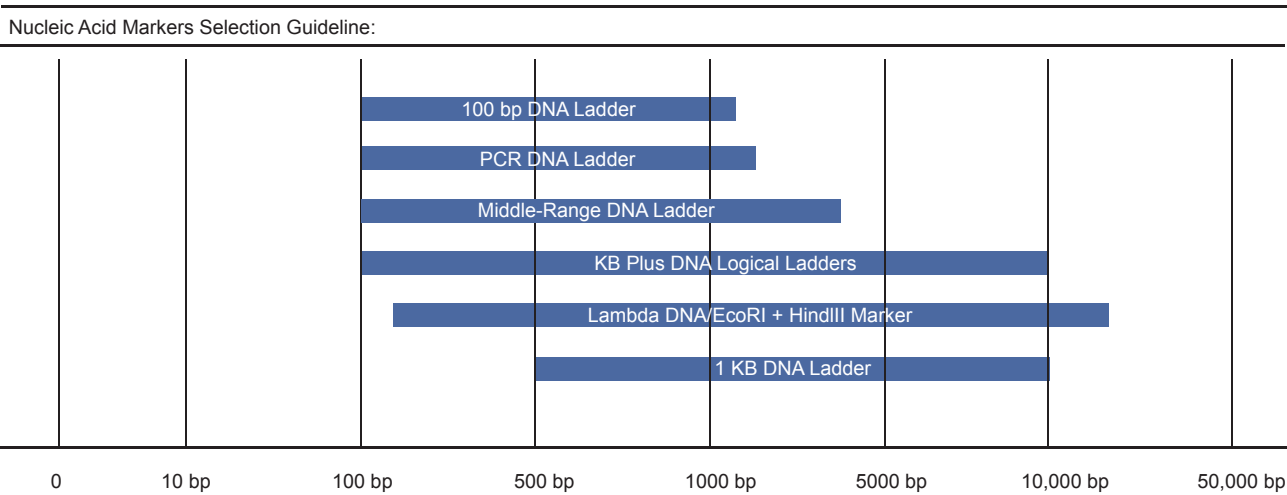
Product	Quantity	Cat. No.	Price
All-In-One Precast 0.8% Agarose Gel Electrophoresis Kit (9-Well)	1 Kit	L00333	\$40
All-In-One Precast 1.2% Agarose Gel Electrophoresis Kit (9-Well)	1 Kit	L00334	\$40
All-In-One Precast 2.0% Agarose Gel Electrophoresis Kit (9-Well)	1 Kit	L00335	\$40
All-In-One Precast 0.8% Agarose Gel Electrophoresis Kit (2 x 9-Well)	1 Kit	L00344	\$40
All-In-One Precast 1.2% Agarose Gel Electrophoresis Kit (2 x 9-Well)	1 Kit	L00345	\$40
All-In-One Precast 2.0% Agarose Gel Electrophoresis Kit (2 x 9-Well)	1 Kit	L00346	\$40
All-In-One Precast 0.8% Agarose Gel Electrophoresis Kit (17-Well)	1 Kit	L00347	\$44
All-In-One Precast 1.2% Agarose Gel Electrophoresis Kit (17-Well)	1 Kit	L00348	\$44
All-In-One Precast 2.0% Agarose Gel Electrophoresis Kit (17-Well)	1 Kit	L00349	\$44

 For more information on precast agarose gels, visit http://www.genscript.com/agarose_gel_kits.html

Nucleic Acid Markers

GenScript provides a wide selection of nucleic acid markers ranging from 100 bp to 23 kb for accurately separating bands and estimating the size and quantity of DNA. A variety of these markers are also available in the ready-to-use format. There is no need to heat, mix, or dilute these markers prior to loading

them on your gel. GenScript offers 6 unique nucleic acid markers for a wide variety of size ranges, applications and formats. The key to accurate band analysis is to use the correct markers for your particular application. Use the following table to help you choose the one you need.



DNA Ladders

Original formats

DNA Ladders are nucleic acid fragments of specific base pair length designed for sizing linear double-stranded or single-stranded DNA fragments. The 100 bp DNA ladder provides accurate sizing of nucleic acid small fragments from

100 to 1500 base pairs. By using 1 KB DNA Ladder, you can size fragments ranging from 100 bp to 10 kb. The bands appear crisp and clear, making it easy to identify the proper size of your fragments.

Product Overview:

Product	Quantity	Cat. No.	Price
1 KB DNA Ladder	100 Lanes	M101O	\$25
	500 Lanes		\$85
100 bp DNA Ladder	100 Lanes	M102O	\$44
	500 Lanes		\$170
PCR DNA Ladder	100 Lanes	M106O	\$25
	500 Lanes		\$85
Middle-Range DNA Ladders	100 Lanes	M00414	\$25
	500 Lanes		\$85
Lambda DNA / EcoRI + HindIII Marker	100 Lanes	MM1302	\$20

Ready-to-Use™ DNA Ladders

Formats for ultimate convenience

- **Convenience**—No need to heat, mix and dilute.
- **Room temperature storage**
- **Ready-to-use format**

GenScript's Ready-to-Use™ DNA Ladders minimize time spent in thawing, diluting and adding sample buffer to your DNA ladders. Simply transfer your ready-to-use DNA Ladder from the vial to the gel. These ladders are stable at room temperature and can be store on your bench top.

Product Overview:

Product	Quantity	Cat. No.	Price
Ready-to-Use™ 1 KB DNA Ladder	100 Lanes	M101R	\$30
	500 Lanes		\$95
Ready-to-Use™ 100 bp DNA Ladder	100 Lanes	M102R	\$50
	500 Lanes		\$180
Ready-to-Use™ PCR DNA Ladder	100 Lanes	M106R	\$30
	500 Lanes		\$95
Ready-to-Use™ Middle-Range DNA Ladder	100 Lanes	M00415	\$50
	500 Lanes		\$180
Ready-to-Use™ Lambda DNA/HindIII Marker	100 Lanes	MM1212	\$27
	500 Lanes		\$87

KB Plus DNA Logical Ladders

One DNA Marker meets all your sizing and quantifying needs

The KB Plus DNA KB Logical Ladders provide accurate sizing and quantifying nucleic acid fragments from 100 to 10,000 base pairs. The KB Plus DNA Logical Ladders are formulated to yield such a pattern that each band contains a logic amount of the DNA fragment that correlates to its size. Therefore, the KB Plus DNA Logical Ladders not only reveal an unique pattern for easy recognition of the bands on the gel, but also give a quantitative measurement of the DNA fragments. Thus both the size and the quantity of a particular DNA fragment could be read at a glance.

By adjusting the percent agarose of your gel, you can increase the separation ranges between the bands in a specific region.

If you are concentrating on smaller bands, run the ladder and your samples on a higher percentage agarose gel. To increase the separation ranges between the larger bands, choose a lower percentage agarose gel.

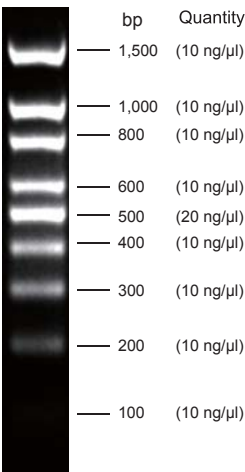
For most electrophoresis applications, you need only one ladder – KB Plus DNA Logical Ladder. You'll accurately size and quantify fragments from 100 bp to 10 kb and save money, time, and efforts. The KB Plus DNA Logical Ladder is also available in the ready-to-use format.

Product Overview:

Product	Quantity	Cat. No.	Price
KB Plus DNA Logical Ladder	100 Lanes	M103O	\$70
	500 Lanes		\$300
Ready-to-Use™ KB Plus DNA Logical Ladder	100 Lanes	M103R	\$75
	500 Lanes		\$320

For more information on DNA markers, visit http://www.genscript.com/dna_marker.html

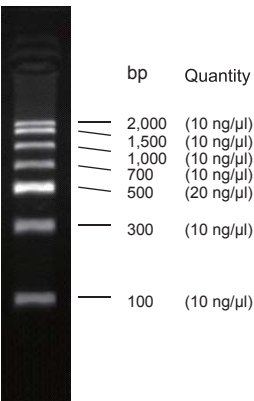
100 bp DNA Ladder



2.0% agarose gel

500 ng/5 μl in 10 mM Tris-HCl (pH 7.5), 1 mM EDTA. For ready-to-use™ format, 1X loading buffer has been added to the marker, and the marker is ready for loading to the gel.

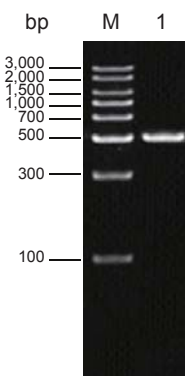
PCR DNA Ladder



2.0% agarose gel

400 ng/5 μl in 10 mM Tris-HCl (pH 7.5), 1 mM EDTA. For ready-to-use™ format, 1X loading buffer has been added to the marker, and the marker is ready for loading to the gel.

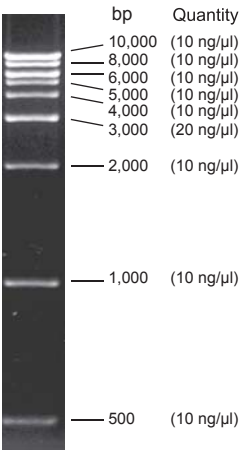
Middle-Range DNA Ladder



0.8% agarose gel

500 ng/5 μl in 10 mM Tris-HCl (pH 7.5), 1 mM EDTA. For ready-to-use™ format, 1X loading buffer has been added to the marker, and the marker is ready for loading to the gel.

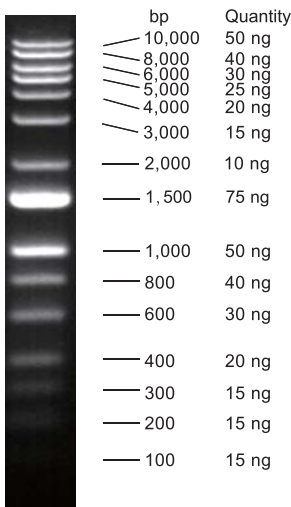
1 KB DNA Ladder



0.8% agarose gel

500 ng/5 ul in 10 mM Tris-HCl (pH 7.5), 1 mM EDTA. For ready-to-use™ format, 1Xloading buffer has been added to the marker, and the marker is ready for loading to the gel.

KB Plus DNA Logical Ladder



1.0% agarose gel

450 ng/μl in 10 mM Tris-HCl (pH 7.5), 1 mM EDTA. For ready-to-use™ format, 1Xloading buffer has been added to the marker, and the marker is ready for loading to the gel.

Lambda DNA/HindIII Marker



0.7% agarose gel

83 ng/ul in 10 mM Tris-HCl (pH 7.5), 1 mM EDTA and with 1Xloading dye solution

Custom Plasmid Preparation Services

GenScript's plasmid DNA preparation services cover individual cotructs for research labs as well as large scale manufacturing for biotech suppliers and pharmaceutical companies. GenScript's high quality plasmids will help you achieve highly efficient cell transfection, DNA vaccination, antibody production, and other preclinical studies.

- Flexible scale of up to gram level. Starting from \$50.00 for a MidiPrep (100 µg)
- Completely enzyme-free and animal-free process for SC Grade and Advanced SC Grade plasmids' production
- Reproducible quality of plasmid DNA by archiving in CloneArch™ Clone Storage and Management Center
- Stringent and comprehensive quality control—at least seven items, including appearance, A260/280, supercoiled content, residual RNA, genomic DNA, concentrations, restriction analysis, and endotoxin level (upon request)
- Fast delivery time

Services List

Quality Grades	Features	Typical Applications
Research Grade	Predominantly Supercoiled	Typical molecular biology research
SC Grade	≥ 95% Supercoiled ≤ 0.03 EU/µg Endotoxin	• Recommended for effective transfection and co-transfection • Antibody production • Protein manufacturing • Animal studies • Gene vaccine and gene therapy studies
Advanced SC Grade	≥ 95% Supercoiled ≤ 0.005 EU/µg Endotoxin	• Highly effective transfection and co-transfection • Antibody production • Protein manufacturing • Animal studies • Gene vaccine and gene therapy studies

Sample Submission Requirements

- Plasmid DNA template of > 1 µg with a concentration of > 100 ng/µl.
- Dissolved in water, TE buffer or dry in 1.5/0.5 ml centrifuge tube.
- Bacteria stock and plasmid DNA that is dry on paper are acceptable but not recommended.

Quotations and Ordering

Quotations and orders may be placed by email, phone, or fax with either a formal PO (Purchase Order) or credit card. Please choose the most convenient ordering method.

	Quotation Form: https://www.genscript.com/ssl-bin/quote_gene_synthesis
	Email: gene@genscript.com
	Phone: 1-877-436-7274 (Toll-Free); 1-732-885-9188
	Fax: 1-732-210-0262; 1-732-885-5878
	Secured Web Server: https://www.genscript.com/ssl-bin/secure_data

 For more information on custom plasmid preparation services, visit http://www.genscript.com/custom_plasmid_preparation.html

Product List

Product	Quantity	Cat. No.	Price
QuickClean 5M Miniprep Kit	250 Preps	L00193	\$145
QuickClean 96-well Plasmid Miniprep Kit	384 Preps	L00237	\$488
QuickClean 5M PCR Purification Kit	250 Preps	L00198	\$488
QuickClean 96-well PCR Purification Kit	384 Preps	L00238	\$295
All-In-One Precast 0.8% Agarose Gel Electrophoresis Kit (9-Well)	1 Kit	L00333	\$40
All-In-One Precast 1.2% Agarose Gel Electrophoresis Kit (9-Well)	1 Kit	L00334	\$40
All-In-One Precast 2.0% Agarose Gel Electrophoresis Kit (9-Well)	1 Kit	L00335	\$40
All-In-One Precast 0.8% Agarose Gel Electrophoresis Kit (2 x 9-Well)	1 Kit	L00344	\$40
All-In-One Precast 1.2% Agarose Gel Electrophoresis Kit (2 x 9-Well)	1 Kit	L00345	\$40
All-In-One Precast 2.0% Agarose Gel Electrophoresis Kit (2 x 9-Well)	1 Kit	L00346	\$40
All-In-One Precast 0.8% Agarose Gel Electrophoresis Kit (17-Well)	1 Kit	L00347	\$44
All-In-One Precast 1.2% Agarose Gel Electrophoresis Kit (17-Well)	1 Kit	L00348	\$44
All-In-One Precast 2.0% Agarose Gel Electrophoresis Kit (17-Well)	1 Kit	L00349	\$44
1 KB DNA Ladder	100 Lanes 500 Lanes	M101O	\$25 \$85
100 bp DNA Ladder	100 Lanes 500 Lanes	M102O	\$44 \$170
PCR DNA Ladder	100 Lanes 500 Lanes	M106O	\$25 \$85
Middle-Range DNA Ladder	100 Lanes 500 Lanes	M00414	\$25 \$85
Ready-to-Use™ 1 KB DNA Ladder	100 Lanes 500 Lanes	M101R	\$30 \$95
Ready-to-Use™ 100 bp DNA Ladder	100 Lanes 500 Lanes	M102R	\$50 \$180
Ready-to-Use™ PCR DNA Ladder	100 Lanes 500 Lanes	M106R	\$30 \$95
Ready-to-Use™ Middle-Range DNA Ladder	100 Lanes 500 Lanes	M00415	\$50 \$180
Ready-to-Use™ Lambda DNA/HindIII Marker	100 Lanes 500 Lanes	MM1212	\$27 \$87
KB Plus DNA Logical ladder	100 Lanes 500 Lanes	M103O	\$70 \$300
Ready-to-Use™ KB Plus DNA Logical ladder	100 Lanes 500 Lanes	M103R	\$75 \$320
6X Loading Buffer with GelRed	300 µl	M00120	\$10
6X Loading Buffer with Agarose Gel Loading Dye	5 ml	D0109	\$48
6X Loading Buffer with Agarose Gel Loading Dye (with ficoll)	5 ml	D0084	\$48
TrioMol Isolation Reagent	100 ml	M00105	\$89
Human Genomic DNA	100 µg	M00094	\$79



Chapter 2 PCR and Cloning

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Green PCR

The environmentally friendly PCR reagents for your success

- Stable at room temperature
- Enhanced yields with longer enzyme half-life
- Stop refrigerating and save energy

GenScript's advanced high-stability technology has led to the invention of the new generation of PCR reagents—Green PCR reagents. The Green series of reagents, from the proprietary *Taq*, dNTP, to PCR master mix, are stable at room temperature

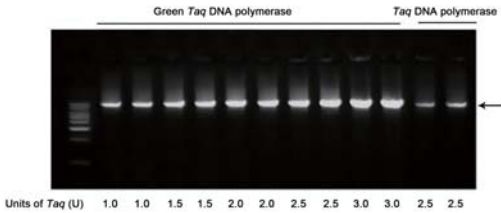
for one month or at 4°C for over six months . The high-stability feature allows the increase in the half-life of active enzyme at high temperatures, therefore more amplification cycles are carried out and higher yields are generated. With no freeze-thaw cycles, Green PCR reagents provide you an instant access to high-throughput PCR automation. In addition, GenScript's Green PCR reagents can help preserve energy during storage and shipping.

Green *Taq* DNA Polymerase

- Improved specificity and PCR yield.
- Room temperature reaction assembly
- Stable for 1 month at room temperature or 6 months at 4°C

Green *Taq* DNA Polymerase has terminal transferase activity that results in the addition of a single nucleotide (adenosine) at 3'-end of the extension product. This enzyme also has a longer enzyme half-life and therefore increases the PCR yields when amplifying long DNA fragments.

The Green *Taq* DNA Polymerase provides high yield and specificity when amplifying long DNA fragment.

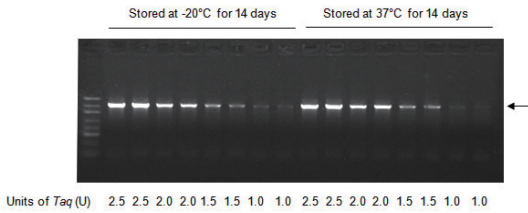


A 8 kb λDNA fragment was amplified with both *Taq* DNA Polymerase and Green *Taq* DNA Polymerase. For amplification of long DNA fragment, where longer elongation time is needed (in this case, the elongation time was three minutes), the Green *Taq* DNA polymerase has a longer enzyme half-life and therefore increases the PCR yield significantly.

Product Overview:

Product	Quantity	Cat. No.	Price
Green <i>Taq</i> DNA Polymerase	1,000 U	E00043	\$60

The Green *Taq* DNA Polymerase can be stored at 37°C for 14 days without loss of activity.



A 2 kb 23S rRNA fragment from *E. coli* genomic DNA was amplified using Green *Taq* DNA Polymerase stored at -20°C and 37°C, respectively.

High Stability PCR Kit

GenScript's High-Stability PCR Kit contains Green *Taq* DNA Polymerase, 10X PCR buffer, and 10 mM dNTP, all specially formulated for higher stability using our proprietary technology. The kit can be stored at 4°C for over six months or at room temperature (25°C) for one month without significant loss of activity. The stabilizers in the buffer also increase the

stability of *Taq* DNA Polymerase at higher temperature (72°C), increasing the PCR yield of long DNA amplification. This kit facilitates quick and easy PCR setup without any need for thawing. This kit can be used in high-throughput assays in which all the PCR reagents need to be ready and stable for PCR setup at any time.

Product Overview:

Product	Quantity	Cat. No.	Price
High-Stability PCR Kit	200 rxns	L00342	\$64

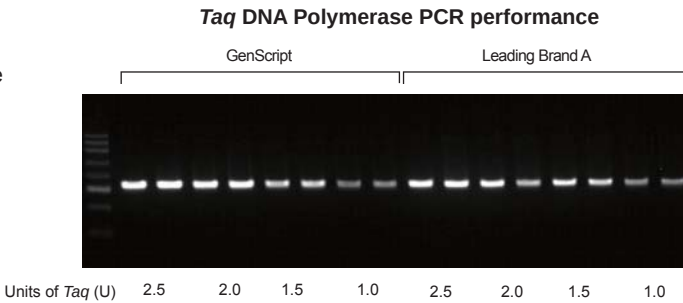
For more information on Green PCR, visit http://www.genscript.com/green_pcr_reagents.html

Routine PCR

Reliable and affordable PCR reagents for routine PCR

Taq DNA Polymerase

Taq DNA Polymerase is a thermostable DNA Polymerase isolated from an *E. coli* strain that carries the *Taq* DNA polymerase gene. The enzyme consists of a single polypeptide with a molecular weight of 94 kDa. *Taq* DNA polymerase is the most common polymerase used for PCR. GenScript's best-selling *Taq* DNA polymerase offers your cost-effective solution (6 ¢/unit) to the routine PCR with the satisfactory results.



A 500 bp λDNA fragment was amplified with *Taq* DNA polymerase from different brands.

Product Overview:

Product	Quantity	Cat. No.	Price
<i>Taq</i> DNA Polymerase	1,000 U	E00007	\$60
	50,000 U	E00044	\$2,700
<i>Taq</i> DNA Polymerase without Mg ²⁺	1,000 U	E00008	\$60
<i>Taq</i> DNA Polymerase, concentrated	2,500 U	E00012	\$149
<i>Taq</i> and dNTP: 1,000 U of <i>Taq</i> (E00007); 0.5 ml of 10 mM dNTP (D0056)	1 Kit	E00101	\$79

2X Taq Master Mix

Fast and convenient PCR reaction set-up

2X Taq Master Mix is an optimized solution containing ready-to-use Taq DNA polymerase, salts, magnesium, and dNTPs for efficient PCR amplification. All you have to do is to add template and primers, significantly reducing setup time. The Master Mix is optimized for consistent and efficient routine

PCR amplification. It can amplify up to 4 kb from complex genomic DNA or 8 kb from lambda DNA. For a 50 µl reaction, simply add 25 µl of 2X Taq Master Mix to primers, DNA template and PCR-grade H₂O.

Product Overview:

Product	Quantity	Cat. No.	Price
2X Taq Master Mix	100 rxns	E00019	\$43

For more information on Routine PCR, visit <http://www.genscript.com/pcr.html>

Direct PCR

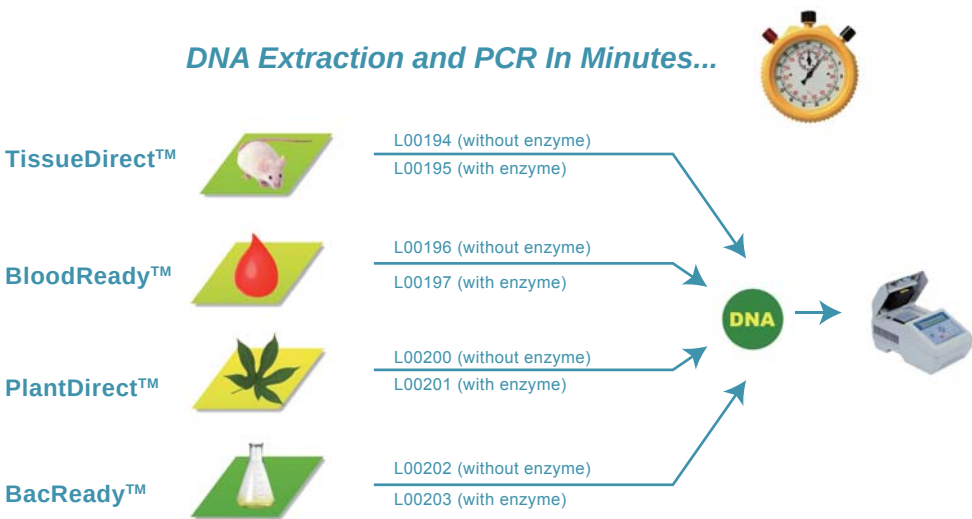
Direct multiplex PCR amplification of more than 1000 amplicons

DNA extraction and PCR amplification are two of the most common methods used in molecular biology reseach. They are used in SNP genotyping, mutation detection, target detection in transgenic mice, and countless other basic experiments. Traditional DNA extraction procedures are time-consuming and unreliable.

With Direct Multiplex PCR System, genomic DNA is prepared and amplified in just a few easy steps that eliminate the need for any other type of purification such as DNA precipitation and column purification, organic extraction, or proteinase digestion. The use of hot-start Taq DNA polymerase in the system

prevents amplification of nonspecific products and increases the amplification efficiency of the desired sequences.

- **Easy to Perform**—Simple and rapid procedure to extract and amplity genomic DNA in a single step.
- **High Specificity**—Highly specific amplification of genomic DNA using HotStart Script™ DNA polymerase (a GenScript proprietary DNA polymerase).
- **Multiplex PCR**—Up to 1,000 DNA sequences can be amplified using multiplex PCR primers.

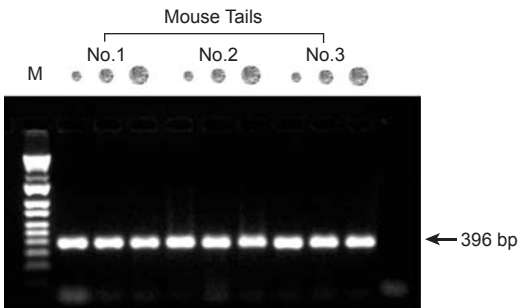


TissueDirect™ Multiplex PCR System

Simple & speedy PCR system for genomic DNA of tissue

The TissueDirect™ Multiplex PCR System is designed to extract genomic DNA from a single sperm for a multiplex PCR amplification of more than 1,000 amplicons. DNA extracts are from animal cells and tissues such as mouse tail samples, micro-dissection samples, buccal cells, hair shafts, saliva, sperm, and fresh, frozen, or paraffin tissues.

PCR analysis of genomic DNA prepared from mouse tails

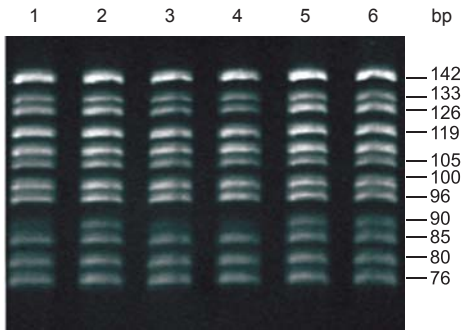


The TissueDirect™ Multiplex PCR Kit was used to prepared genomic DNA from nine pieces of tissue, each of different sizes, about 1 mm, 2 mm, and 4 mm, respectively cut from three separate mouse tails. All genomic DNA samples were amplified using the PCR premix in the kit. The last lane showed a negative control. The PCR products were 396 bp for the mouse Ephrin A5 gene, and the sequence is (5' to 3'): TCCAGCTGTGCAGTTCTCCAAACA and ATTCAGAGGGGTGAC-TACCACATT.

Product Overview:

Product	Quantity	Cat. No.	Price
TissueDirect™ Multiplex PCR Kit (with enzyme)	100 rxns	L00195	\$159
TissueDirect™ Multiplex PCR Kit (without enzyme)	100 rxns	L00194	\$113

Multiplex PCR amplification of human genomic DNA extracted by the TissueDirect™ Multiplex PCR System



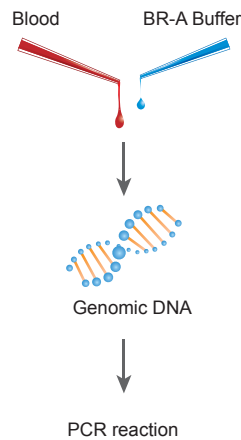
The sizes of the DNA samples are shown on the right.
Lanes 1 and 2: 30 HEK293 cells
Lanes 3 and 4: Breast cancer microdissections
Lanes 5 and 6: Human hair shafts

BloodReady™ Multiplex PCR System

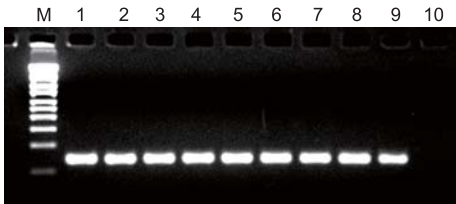
Simple & speedy PCR from blood samples

BloodReady™ Multiplex PCR System is a powerful reagent kit designed for both rapid genomic DNA preparation and multiplex PCR amplification from blood samples. The genomic DNA can then be used immediately in PCR amplification of multiple gene targets (up to 1,000) or keep stable at 4°C for over 6 months.

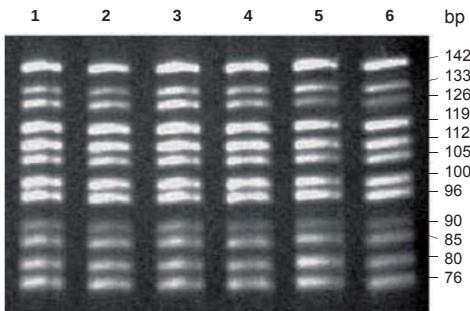
The BloodReady™ Multiplex PCR System can be easily adapted to high-throughput automation systems such as the Qiagen BioRobot 9604 for automated nucleic acid preparation and subsequent amplification of genomic DNA from tissues in a 96-well automated format.



Shown below is a PCR analysis of genomic DNA using the BloodReady™ Multiplex PCR Kit



PCR analysis of genomic DNAs extracted from blood samples. Genomic DNAs were extracted from nine different blood samples and amplified using BloodReady™ Multiplex PCR Kit according to the kit instructions. M is 100 bp DNA Ladder (Cat.No M102R). Lane 1 to 9 are from nine blood samples. The last lane is a negative control. The size of PCR products is 142 bp.



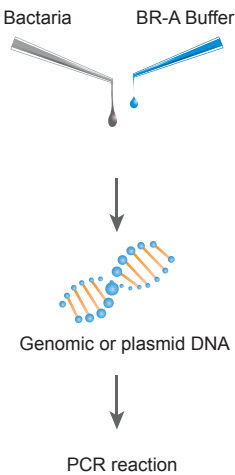
Multiplex PCR amplification of human genomic DNA extracted using the BloodReady™ Multiplex PCR Kit (L00197). The sizes of each PCR DNA molecule are shown on the right. Lane 1 and 2 show the DNA extracted from 100 blood cells. Lane 3 and 4 show DNA extracted from 25 blood cells. Lane 5 and 6 show DNA extracted from only five blood cells.

Product Overview:

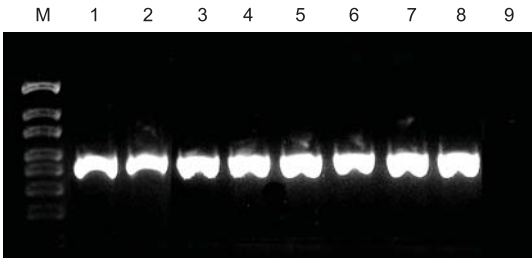
Product	Quantity	Cat. No.	Price
BloodReady™ Multiplex PCR Kit (without enzyme)	100 rxns	L00196	\$111
BloodReady™ Multiplex PCR Kit (with enzyme)	100 rxns	L00197	\$157

BacReady™ Multiplex PCR System

BacReady™ Multiplex PCR System is designed for both rapid preparation and multiplex PCR amplification of bacteria genomic DNA. Genomic DNA are directly released from bacteria (both gram-positive and gram-negative) cells in a single step by adding a proprietary reagent directly to bacteria samples without DNA purification.

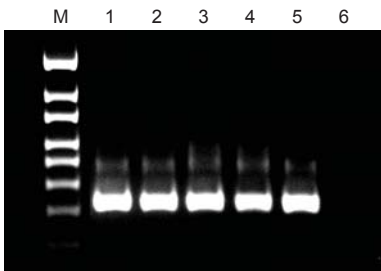


Gram-negative Bacteria genomic DNA preparation and PCR amplification



PCR analysis of genomic DNA prepared from bacteria samples. Genomic DNA were prepared from 4 different *E. coli* cultures and amplified using BacReady™ Multiplex PCR kit following the kit instructions. M is 100 bp DNA marker lane. Lane 1 and 2 are bacteria culture No. 1; Lane 3 and 4 are bacteria culture No. 2, and so on. Lane 9 is a negative control. PCR products are 544 bp.

Gram-positive Bacteria genomic DNA preparation and PCR amplification



Bacteria genomic DNA was prepared and amplified using BacReady™ Multiplex PCR System (with Enzyme). Five different samples were tested. Lane 1 and 2 were your samples; Lane 3, 4 and 5 were bacteria samples picked from slants, they were *Bacillus globigii*, *Bacillus ubtillus*, and *Micrococcus leteus*, respectively. Lane 6 is a negative control. PCR products are 355 bp.

Product Overview:

Product	Quantity	Cat. No.	Price
BacReady™ Multiplex PCR Kit (without enzyme)	100 rxns	L00202	\$111
BacReady™ Multiplex PCR Kit (with enzyme)	100 rxns	L00203	\$157

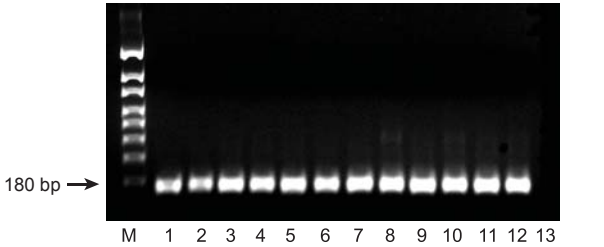
PlantDirect™ Multiplex PCR System

Speedy procedure with the smallest amounts of plant

The PlantDirect™ Multiplex PCR System is designed for easy and rapid preparation and multiplex PCR amplification of genomic DNA from plant leaves, roots, stems and other tissues.

Shown right is a PCR amplification of a 180 bp fragment of Arabidopsis ubiquitin 10. There is little difference between genomic DNA samples extracted from different Arabidopsis leaves. This demonstrates the high quality and reproducibility of PlantDirect™ Multiplex PCR Kit.

PCR analysis of genomic DNA extracted from Arabidopsis leaves



Genomic DNA was extracted from 12 pieces of Arabidopsis leaves using PlantDirect™ Multiplex PCR Kit in accordance with the kit instructions. All genomic DNA samples were amplified using the PCR premix supplied in the kit. The PCR products are 180 bp fragments of Arabidopsis ubiquitin 10. Lane 13 shows a negative control.

Product Overview:

Product	Quantity	Cat. No.	Price
PlantDirect™ Multiplex PCR Kit (without enzyme)	100 rxns	L00200	\$139
PlantDirect™ Multiplex PCR Kit (with enzyme)	100 rxns	L00201	\$159

For more information on Direct PCR Systems, visit http://www.genscript.com/direct_PCR.html

PCR Related Products:

Product	Quantity	Cat. No.	Price
Stabilized dNTP Mix, 10 mM each	0.5 ml	C01689	\$29
dNTP mixture, 10 mM each	0.5 ml	D0056	\$25
dATP (100 mM) >98% HPLC	1 ml	C01577*	\$45
dGTP (100 mM) >98% HPLC	1 ml	C01578*	\$45
dCTP (100 mM) >98% HPLC	1 ml	C01579*	\$45
dTTP (100 mM) >98% HPLC	1 ml	C01580*	\$45
dNTP (25 mM) >98% HPLC	1 ml	C01581*	\$45
dNTP (10 mM) >98% HPLC	1 ml	C01582*	\$45

*These products are also available in larger package sizes.

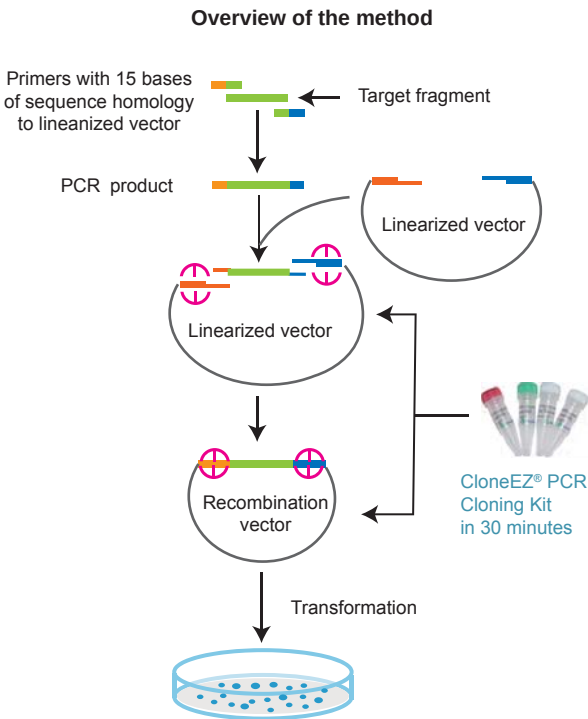
PCR Cloning

CloneEZ® PCR Cloning Kit

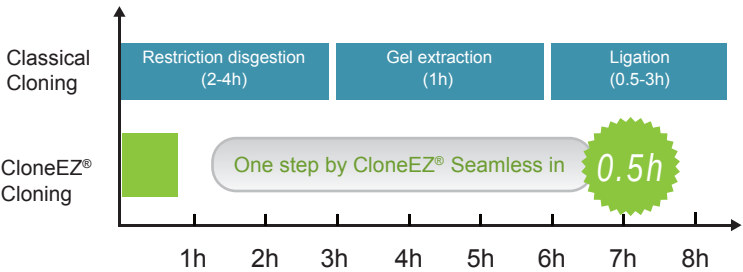
No more restriction site headaches

- **Universal**—Clone any insert into any location within any vector you choose.
- **Fast and Easy**—30 minutes, one-step incubation at room temperature.
- **High Efficiency**—Success rate over 95%.
- **Compatibility**—The kit is highly compatible with high-throughput PCR cloning.

GenScript's proprietary CloneEZ® seamless cloning technology is a cutting-edge, recombination-based cloning technology that can accurately and efficiently assemble genes and gene fragments in any combination of sequences. The CloneEZ® PCR Cloning Kit is designed for the quick cloning of PCR products without any headaches of restriction sites. The universal CloneEZ® cloning method works with any insert and any vector at any restriction site. Using our proprietary CloneEZ® enzyme, this kit rapidly generates precise, directional constructs in 30-minute at room temperature.



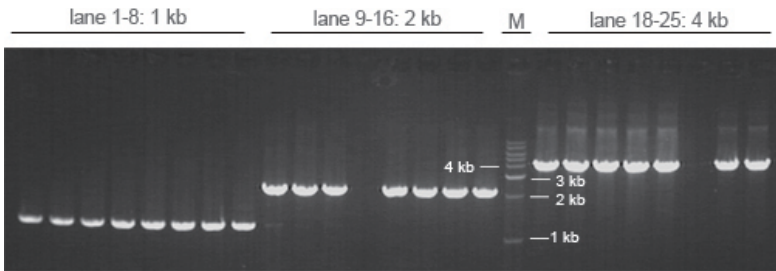
CloneEZ® PCR Cloning Kit can cut down PCR cloning procedure to 30 min from traditional 3.5 hours, with one-step procedure instead of multiple steps.



Shown below is number and percentage of positive clones obtained with CloneEZ® PCR Cloning Kit.

	1 kb	2 kb	4 kb
Number of positive clones	~1200	~800	221
Recombinant rate (%)	100%	95%	93%

Shown below is PCR screening result of positive clones obtained with the CloneEZ® PCR Cloning Kit.



Product Overview:

Product	Quantity	Cat. No.	Price
CloneEZ® PCR Cloning Kit	24 rxns	L00339	\$175

For more information on PCR Cloning Kit, visit http://www.genscript.com/cloneez_pcr_cloning_kit.html

GenPool™ ORF Clones

- **Comprehensive selection**—Over 1 million ORF clones and predesigned siRNA collections
- **Convenient**—Delivered as the transfection-ready plasmid DNA
- **Cost-efficient solution**

GenScript's GenPool™ ORF clones database currently hosts 1,124,477 ORF clones from 90 different species and provides various convenient search options. Such ORF cloning provides easy and quick means to turn DNA sequences into expression-ready clones.

Customer can search and retrieve ORF information from GenPool™ ORF clones database at <http://www.genscript.com/genpool.html>

ORF Clones Database

Search GenPool™ ORF clones database
(with GeneID, Accession No., or species name)

Go!

Advanced search

For more information on GenPool™ ORF clones, visit <http://www.genscript.com/genpool.html>

siRNA Expression Vectors

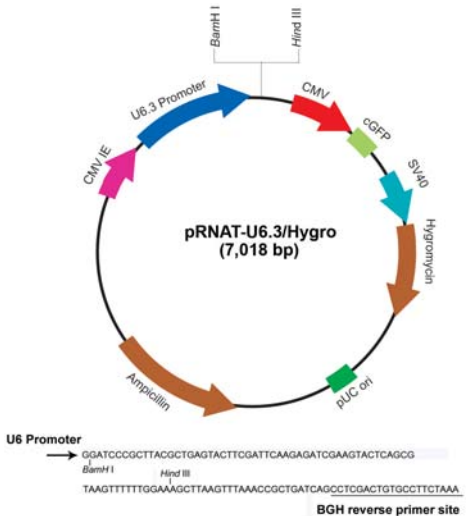
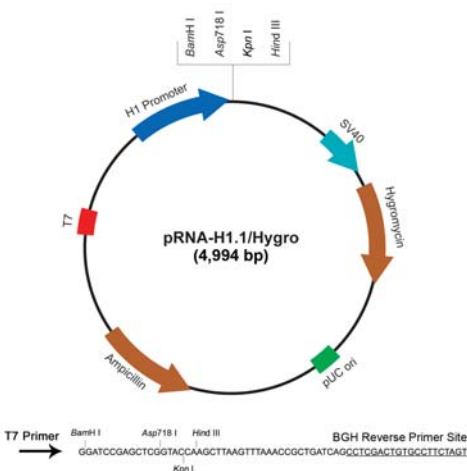
GenScript provides a complete set of vectors for the expression of siRNA. These vectors use U6 (regular or enhanced), H1 (regular, inducible or enhanced) or CMV promoter to drive the siRNA expression. Each vector carries a neomycin,hygromycin, zeomycin or puromycin resistance gene as the selectable marker, which can be used for establishing stable cell lines.

Some of the vectors carry a coral GFP (cGFP) marker for tracking transfection efficiency. To complete its siRNA vector set, GenScript also provides viral-based (Lenti, Retro, Adeno) siRNA vectors for more effective delivery of siRNA into almost any mammalian cell, including non-dividing cells and whole model organisms.

Plasmid siRNA Expression Vectors

Plasmid siRNA vectors are designed for mammalian transfection and use U6 (regular or enhanced), H1 (regular or enhanced), or CMV promoter** to drive the siRNA expression. These vectors carry a neomycin, hygromycin, puromycin or zeomycin

resistance gene as the selectable marker, which can be used for establishing stable cell lines. The pRNAT vectors also carry a coral GFP (cGFP) marker, which can be used to track transfection efficiency.

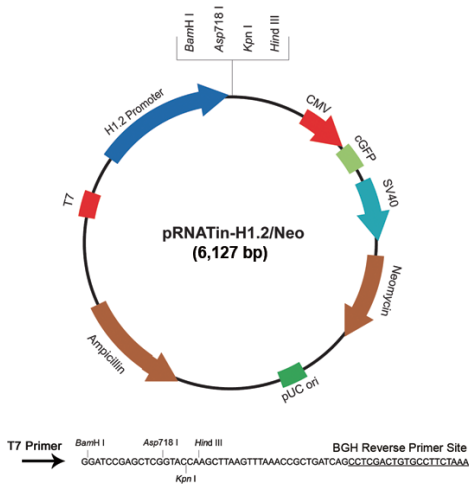


Product Overview:

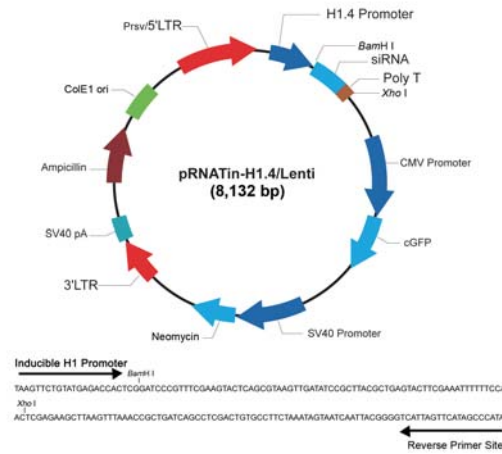
Product	Promoter	Resistance	Marker	Quantity	Cat. No.	Price
pRNA-U6.1/Neo	U6.1	Neomycin	-	10 µg	SD1201	\$225
pRNA-U6.1/Hygro	U6.1	Hygromycin	-	10 µg	SD1202	\$225
pRNA-U6.1/Zeo	U6.1	Zeomycin	-	10 µg	SD1207	\$225
pRNA-H1.1/Neo	H1.1	Neomycin	-	10 µg	SD1203	\$225
pRNA-H1.1/Hygro	H1.1	Hygromycin	-	10 µg	SD1204	\$225
pRNA-H1.1/Zeo	H1.1	Zeomycin	-	10 µg	SD1208	\$225
pRNA-CMV3.1/Neo	CMV3.1	Neomycin	-	10 µg	SD1231	\$225
pRNA-CMV3.1/Hygro	CMV3.1	Hygromycin	-	10 µg	SD1232	\$225
pRNA-CMV3.1/Puro	CMV3.1	Puromycin	-	10 µg	SD1233	\$225
pRNAT-U6.1/Neo	U6.1	Neomycin	cGFP	10 µg	SD1211	\$350
pRNAT-U6.1/Hygro	U6.1	Hygromycin	cGFP	10 µg	SD1212	\$350
pRNAT-H1.1/Neo	H1.1	Neomycin	cGFP	10 µg	SD1213	\$350
pRNAT-H1.1/Hygro	H1.1	Hygromycin	cGFP	10 µg	SD1214	\$350
pRNAT-CMV3.1/Neo	CMV3.1	Neomycin	cGFP	10 µg	SD1261	\$350
pRNAT-CMV3.1/Hygro	CMV3.1	Hygromycin	cGFP	10 µg	SD1262	\$350
pRNAT-CMV3.1/Puro	CMV3.1	Puromycin	cGFP	10 µg	SD1263	\$350
pRNAT-CMV3.2/Neo	CMV3.2	Neomycin	cGFP	10 µg	SD1264	\$350
pRNAT-CMV3.2/Hygro	CMV3.2	Hygromycin	cGFP	10 µg	SD1265	\$350
pRNAT-CMV3.2/Puro	CMV3.2	Puromycin	cGFP	10 µg	SD1266	\$350
pRNA-U6.3/Neo	U6.3 (enhanced)	Neomycin	-	10 µg	SD1550	\$225
pRNA-H1.3/Neo	H1.3 (enhanced)	Neomycin	-	10 µg	SD1552	\$225
pRNA-U6.3/Hygro	U6.3 (enhanced)	Hygromycin	cGFP	10 µg	SD1561	\$350
pRNAT-H1.3/Hygro	H1.3 (enhanced)	Hygromycin	cGFP	10 µg	SD1563	\$350

Inducible siRNA Expression Vectors

The H1.2 promoter is an engineered inducible promoter* containing a tetracycline operator (TetO1). The tetracycline operator itself has no effect on expression. When the tetracycline repressor (TetR) is present, it effectively binds the TetO1 and blocks the transcription. In the presence of tetracycline or doxycycline, the inducer binds TetR, causes the TetR protein to release the TetO1 site, and derepresses the transcription from the H1 promoter.



pRNATin-H1.2 is designed for mammalian transfection. They carry a neomycin or hygromycin resistance gene which can be used for establishing stable cell lines and a coral GFP (cGFP) marker under CMV promoter** as a control to track the transfection efficiency. The adenoviral, retroviral, and lentiviral expression vectors are also available for this inducible system.

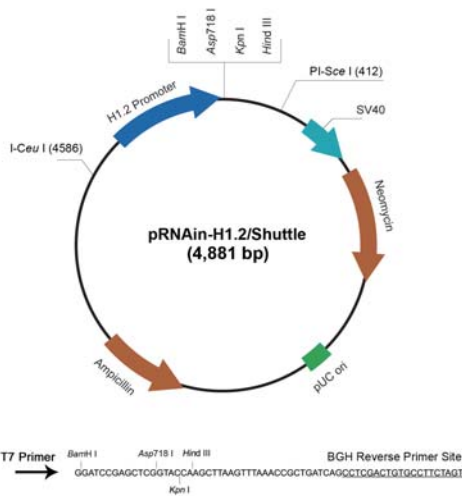
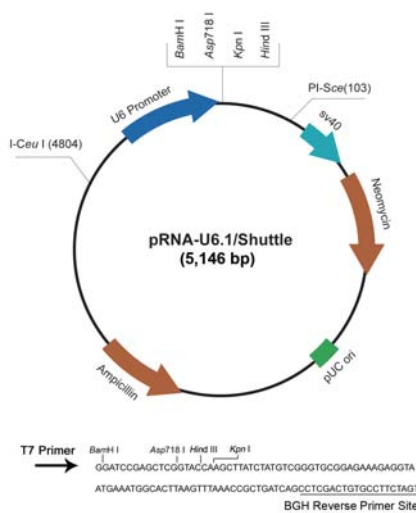


Product Overview:

Product	Promoter	Resistance	Marker	Quantity	Cat. No.	Price
pRNATin-H1.2/Neo	H1.2 (inducible)	Neomycin	cGFP	10 µg	SD1223	\$350
pRNATin-H1.2/Hygro	H1.2 (inducible)	Hygromycin	cGFP	10 µg	SD1224	\$350
pRNAin-H1.2/Neo	H1.2 (inducible)	Neomycin	-	10 µg	SD1220	\$350
pRNATin-H1.2/Adeno	H1.2 (inducible)	Kanamycin	cGFP	10 µg	SD1229	\$350
pRNAin-H1.2/Shuttle	H1.2 (inducible)	Neomycin	-	10 µg	SD1234	\$350
pRNATin-H1.4/Retro	H1.4 (inducible)	Hygromycin	cGFP	10 µg	SD1254	\$350
pRNATin-H1.4/Lenti	H1.4 (inducible)	Neomycin	cGFP	10 µg	SD1260	\$350

Adenoviral siRNA Shuttle Vectors

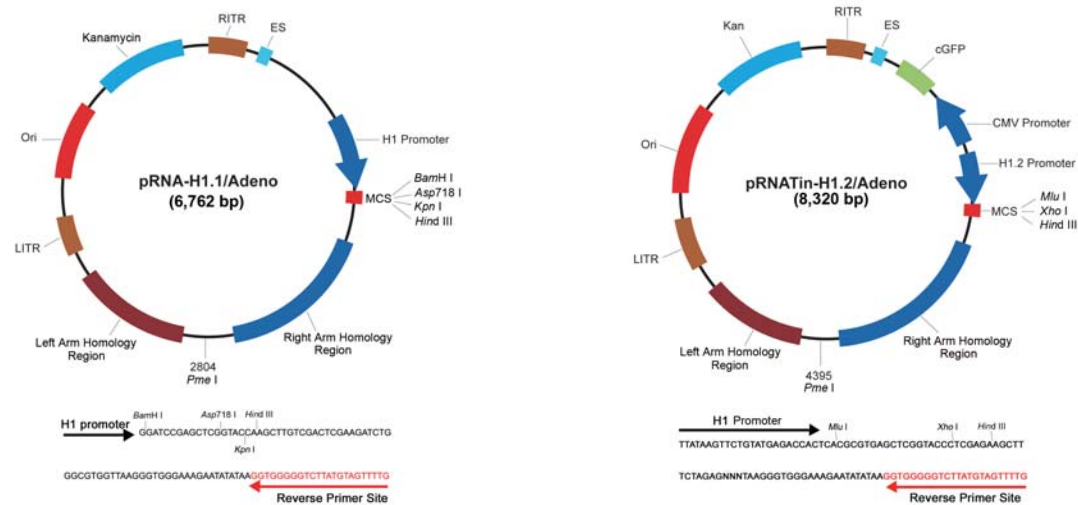
The following adenoviral shuttle vectors are compatible with the Clontech Adeno-X Expression system. They use U6 or H1 promoters to drive siRNA expression.



Product Overview:

Product	Promoter	Resistance	Marker	Quantity	Cat. No.	Price
pRNA-U6.1/Shuttle	U6.1	Neomycin	-	10 µg	SD1205	\$225
pRNA-H1.1/Shuttle	H1.1	Neomycin	-	10 µg	SD1206	\$225
pRNAT-H1.1/Shuttle	H1.1	Neomycin	cGFP	10 µg	SD1216	\$350
pRNAin-H1.2/Shuttle	H1.2 (inducible)	Neomycin	-	10 µg	SD1234	\$350

The following adenoviral vectors are compatible with the Stratagene AdEasy Adenoviral Vector System. Each vector uses either an H1 or inducible H1 promoter to drive siRNA expression. The pRNAT vectors carry a coral GFP marker (cGFP) under the control of CMV promoter*, which can be used to track transfection efficiency.



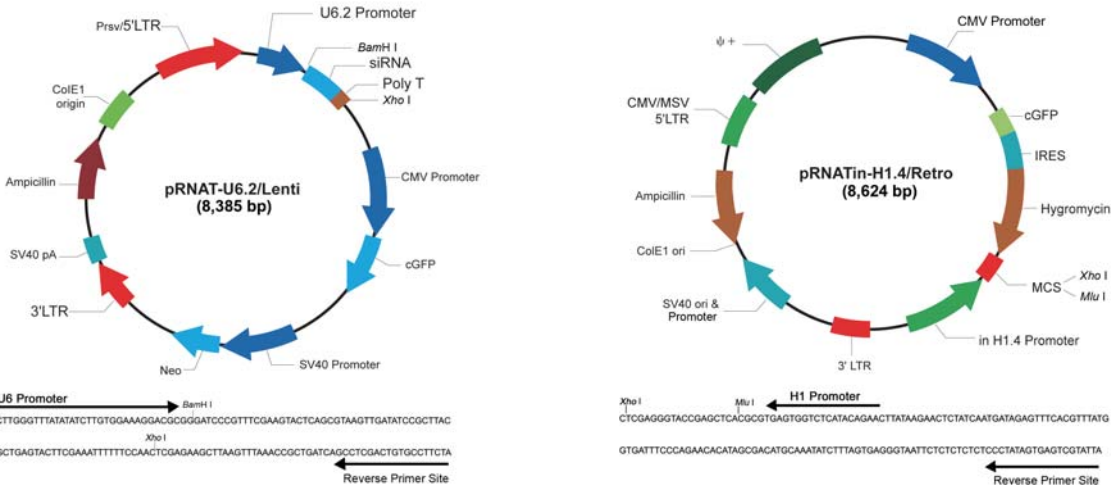
Product Overview:

Product	Promoter	Resistance	Marker	Quantity	Cat. No.	Price
pRNA-H1.1/Adeno	H1.1	Kanamycin	-	10 µg	SD1209	\$225
pRNAT-H1.1/Adeno	H1.1	Kanamycin	cGFP	10 µg	SD1219	\$350
pRNATin-H1.2/Adeno	H1.2 (inducible)	Kanamycin	cGFP	10 µg	SD1229	\$350

Lentiviral siRNA Expression Vectors

GenScript's Lentiviral siRNA expression vectors are compatible with the Invitrogen ViraPower™ Lentiviral Expression System. They are designed for siRNA expression in both dividing and nondividing cells. Each vector contains a neomycin resistance gene for establishing stable cell lines and a coral GFP (cGFP)

reporter for tracking transfection efficiency. These are driven by an SV40 promoter and a CMV promoter, respectively. The vector uses a Rous sarcoma virus (RSV) enhancer/promoter fused to HIV 5'LTR (PRSV/5'LTR) for viral transcription and HIV 3'LTR for packaging.



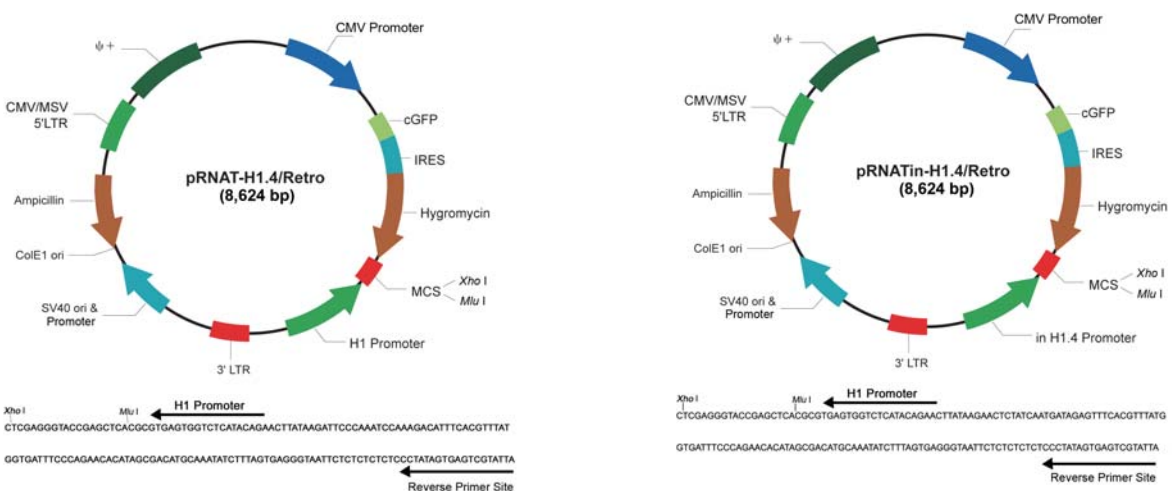
Product Overview:

Product	Promoter	Resistance	Marker	Quantity	Cat. No.	Price
pRNAT-U6.2/Lenti	U6.2	Neomycin	cGFP	10 µg	SD1259	\$350
pRNATin-H1.4/Lenti	H1.4 (inducible)	Neomycin	cGFP	10 µg	SD1260	\$350

Retroviral siRNA Expression Vectors

GenScript's Retroviral siRNA expression vectors are compatible with the Clontech Retro-X Expression System. The siRNA insert is cloned between the MluI and XhoI sites. An H1 promoter drives siRNA expression. The vector contains a

hygromycin resistance gene under the control of a CMV promoter* for establishing stable cell lines. The vector uses MSV 3'LTR for viral transcription and a CMV enhancer/promoter joined to MSV 5'LTR (CMV/MSV 5'LTR) for packaging.



Product Overview:

Product	Promoter	Resistance	Marker	Quantity	Cat. No.	Price
pRNA-H1.1/Retro	H1.1	Hygromycin	-	10 µg	SD1241	\$225
pRNAT-H1.4/Retro	H1.4	Hygromycin	cGFP	10 µg	SD1253	\$350
pRNATin-H1.4/Retro	H1.4 (inducible)	Hygromycin	cGFP	10 µg	SD1254	\$350

siRNA Positive Controls

FireFly Luciferase siRNA Postive Control Vectors

siFLuc controls are siRNA constructs designed to knock down firefly luciferase. The siLuc insert has been cloned into siRNA expression vectors and verified by sequencing. In our control experiments, the siFluc controls can knock down firefly luciferase activity by ~80%.

The target sequence (CTTAGCTGAGTACTTCA) is from reference Nat. Genet. 32: 107. The target sequence matches pGL3-control (Promega, Cat. #E1741), and is designed to silence firefly luciferase expressed by a co-transfected pGL3-control vector.

Product Overview:

Product	Promoter	Resistance	Marker	Quantity	Cat. No.	Price
pRNA-U6.1/Neo/siFLuc	U6.1	Neomycin	-	10 µg	SD1501	\$225
pRNA-U6.1/Hygro/siFLuc	U6.1	Hygromycin	-	10 µg	SD1502	\$225
pRNA-H1.1/Neo/siFLuc	H1.1	Neomycin	-	10 µg	SD1503	\$225
pRNA-H1.1/Hygro/siFLuc	H1.1	Hygromycin	-	10 µg	SD1504	\$225
pRNA-CMV3.1/Neo/siFLuc	CMV3.1	Neomycin	-	10 µg	SD1531	\$225
pRNA-CMV3.1/Hygro/siFLuc	CMV3.1	Hygromycin	-	10 µg	SD1532	\$225
pRNAT-U6.1/Hygro/siFLuc	U6.1	Hygromycin	cGFP	10 µg	SD1512	\$225
pRNA-U6.3/Neo/siFLuc	U6.3 (enhanced)	Neomycin	-	10 µg	SD1551	\$225
pRNA-H1.3/Neo/siFLuc	H1.3 (enhanced)	Neomycin	-	10 µg	SD1553	\$225
pRNAT-U6.3/Hygro/siFLuc	U6.3 (enhanced)	Hygromycin	cGFP	10 µg	SD1565	\$350
pRNAT-H1.3/Hygro/siFLuc	H1.3 (enhanced)	Hygromycin	cGFP	10 µg	SD1566	\$350
pRNATin-H1.2/Neo/siFLuc	H1.2 (inducible)	Neomycin	cGFP	10 µg	SD1523	\$225
pRNA-Luc/Neo	CMV 3.1	Neomycin	-	10 µg	SD0226	\$350

Renilla Luciferase siRNA Postive Control Vectors

siRLuc controls are siRNA constructs designed to knock down Renilla luciferase. The siRLuc insert has been cloned into GenScript pRNA series vector and verified by sequencing. In our control experiments, the siRLuc controls can knock down Renilla luciferase activity by ~80%.

The target sequence (GTAGCGCGGTGTATTATAC) is from reference Nat. Biotechnol. 20: 497. The target sequence matches pRL-TK (Promega, Cat. #E2241), and is designed to silence Renilla luciferase expressed by a co-transfected pRL-TK vector.

Product Overview:

Product	Promoter	Resistance	Marker	Quantity	Cat. No.	Price
pRNA-U6.1/Neo/siRLuc	U6.1	Neomycin	-	10 µg	SD1601	\$225
pRNA-U6.1/Hygro/siRLuc	U6.1	Hygromycin	-	10 µg	SD1602	\$225
pRNA-H1.1/Neo/siRLuc	H1.1	Neomycin	-	10 µg	SD1603	\$225
pRNA-H1.1/Hygro/siRLuc	H1.1	Hygromycin	-	10 µg	SD1604	\$225

cGFP (Coral Green Fluorescence Protein) siRNA Postive Control Vectors

si-cGFP controls are siRNA constructs designed to knock down the coral GFP (cGFP) expression. In our control experiments, the si-cGFP can knock down cGFP fluorescence by ~80%.

si-cGFP controls are easy to use and allow scientists to monitor the effects of siRNA by using a fluorescence microscope. The si-cGFP insert has been cloned into pRNA-U6.1/neo and pRNA-H1.1/Neo vectors. Therefore, they can be used to test the effects of both U6 and H1 promoters.

Product Overview:

Product	Promoter	Resistance	Marker	Quantity	Cat. No.	Price
pRNA-U6.1/Neo/sicGFP	U6.1	Neomycin	-	10 µg	SD1701	\$225
pRNA-H1.1/Neo/sicGFP	H1.1	Neomycin	-	10 µg	SD1702	\$225

siRNA Negative Controls

For the negative control, you may use our online siRNA scrambler tool to design a specific negative control for your target sequence. This is the specific negative control because it has the same nucleotide composition as that of your target sequence. At the same time, it shows no homology to mRNA sequences collected in NCBI RefSeq database.

GenScript also provides a universal negative control. The sense sequence of this negative control is 21-mer in length, and its GC content is 48%. It shows no homology to human, mouse, and rat mRNA sequences collected in NCBI RefSeq database.

Product Overview:

Product	Promoter	Resistance	Marker	Quantity	Cat. No.	Price
pRNA-U6.1/Neo/CTL	U6.1	Neomycin	-	10 µg	SD1801	\$225
pRNA-H1.1/Neo/CTL	H1.1	Neomycin	-	10 µg	SD1802	\$225
pRNA-CMV3.1/Neo/CTL	CMV3.1	Neomycin	-	10 µg	SD1831	\$225

Note: Empty vectors may not make good negative controls because they do not have proper termination signals downstream of their promoters.

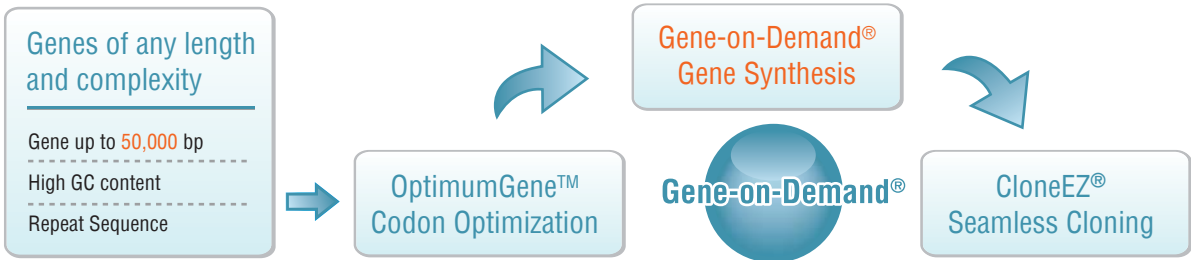
 For more information on siRNA Expression Vectors, visit <http://www.genscript.com/Vectors.html>

- * Limited Use Label License:** This H1.2 inducible promoter is covered by United States Patents Application No. 60,505,677, owned by GenScript USA Inc. The purchase of this product conveys to the buyer the limited, non-exclusive, non-transferable right (without the right to resell, repackage, or further sublicense) under these patent rights to perform the siRNA synthesis methods claimed in the patent application for research and development purposes solely in conjunction with this product.
- ** Limited Use Label License:** The use of the CMV promoter is covered under U. S. Patent No. 5,168,062 and 5,385,839 owned and licensed b1 the University of Iowa Research Foundation and is sold for research use only. Commercial users must obtain a license to these patents directly from the University of Iowa Research Foundation (UIRF), 214 Technology Innovation Center, Iowa City, Iowa 52242. For further information, please contact the Associate Director of UIRF, at 319-335-4546.

Custom Molecular Biology Services

GenScript provides a comprehensive repertoire of molecular biology services, ranging from gene cloning and characterization to advanced genetic engineering and mutant libraries. We have delivered over 100,000 synthetic genes and constructs with the most complex and difficult traits through our Gene-on-Demand® de novo synthesis platform. Our proprietary

CloneEZ® seamless cloning technology is capable of placing any gene in any vector independent of restriction and ligation, seamlessly. Our CloneArch™ clone storage and management system provides our customers with worry-free clone storage and a portal to all molecular biology, simply one-click away.



Services List

Gene Synthesis

GenScript's Gene-on-Demand® service offers synthesis of any gene. Our advanced OptimumGene™ codon optimization technology can optimize your gene sequence, allowing it to reach the highest possible level of gene expression and protein solubility. Our prices are 30% less expensive than those of our competitors.

Mutagenesis

Mutagenesis is one economical alternative to *de novo* gene synthesis. GenScript offers cost-effective mutagenesis as a complement to its gene synthesis service package.

PCR Cloning and Subcloning

GenScript provides PCR cloning and subcloning services. This package is highly flexible and can be tailored to any specific set of project requirements. Our recently developed CloneEZ® seamless cloning technology allows direct fusion of any DNA sequence in one 30-minute procedure.

Plasmid Preparation

Our services include industry-scale plasmid production, batch tube aliquoting, and labeling, packaging, and step-by-step total QC management. GenScript currently offers SC Grade and Advanced SC Grade (Supercoiled content ≥ 95%, with enzyme-free and animal-free process) plasmids along with routine Research Grade plasmid production to satisfy customers' variable needs.

Mutant Libraries (Protein Engineering)

GenScript's strong expertise in *de novo* gene synthesis allows us to synthesize complex protein libraries without any dramatic increase in cost. Our mutant library services include site-directed mutagenesis libraries, sequential permutation scanning libraries, and randomized and degenerated libraries.

KI/KO Vector Construction

Record-proven expertise and experience enables GenScript to efficiently and reliably deliver traditional (or conditional) KI/KO constructs and other types of custom vectors for genetic engineering. Typical turnaround time is less than four weeks.

Vector-based siRNA and miRNA

GenScript offers cost-efficient vector-based RNAi services stand on their Tet-on and inducible expression vectors with our acclaimed 2nd generation design tools.

Large-scale DNA Sequencing

With years of experience, GenScript offers quick, high-quality, and cost-effective DNA sequencing services. We perform all sequencing services in a GLP-compliant laboratory environment. We have processed hundreds of thousands of samples, and have the capacity to sequence thousands of samples per day.

CloneArch™ Clone Storage and Management Center

CloneArch™ is a worry-free clone storage and management system. It prevents unnecessary clone loss, preserving precious time that can be reinvested in more productive biological research and drug development projects.

Competitive Advantages

Advanced Gene Design Algorithms (OptimumGene™)

GenScript's proprietary and gene design technologies can significantly improve the expression level of target proteins. Our advanced optimization takes the entire mRNA structure into consideration as opposed to traditional optimization methodologies which only consider the codon usage frequency and the structure of mRNA partially. The patent-pending OptimumGene™ Gene Design Technology can typically increase at least 10-fold of protein expression level in *E. coli*, provided that the protein expression and purification methods are appropriate.

CloneEZ® Seamless Cloning Technology

This new-generation, recombination-based cloning technology can accurately and efficiently assemble genes and gene fragments in any combination of sequences.

State-of-the-art Facilities

GenScript is equipped with advanced bioscience facilities with a working area of about 20,000 square feet.

Comprehensive Package

We also offer mutagenesis, protein expression and purification, and plasmid preparation. Our full complements of upstream and downstream services provide our clients with a one-stop source for all their laboratory needs.

Experienced Team

We have synthesized more than 100,000 genes and constructs *de novo*. Our record length for gene synthesis is over 50,000 bp. We routinely synthesize long constructs (>10 kb), complex genes, and genes with extremely high or low GC content, repetitive sequences, and strong secondary structures.

Quotations and Ordering

Quotations and orders may be placed by email, phone, or fax with either a formal PO (Purchase Order) or credit card. Please choose the most convenient ordering method.

	Quotation Form: https://www.genscript.com/ssl-bin/quote_gene_synthesis
	Email: gene@genscript.com
	Phone: 1-877-436-7274 (Toll-Free); 1-732-885-9188
	Fax: 1-732-210-0262; 1-732-885-5878
	Secured Web Server: https://www.genscript.com/ssl-bin/secure_data

For more information on Molecular Biology Services, visit http://www.genscript.com/molecular_biology_service.html

Product List

Product	Quantity	Cat. No.	Price
Green Taq DNA Polymerase	1,000 U	E00043	\$60
High-Stability PCR Kit	200 rxns	L00342	\$64
Taq DNA Polymerase	1,000 U	E00007	\$60
	50,000 U	E00044	\$2,700
Taq DNA Polymerase without Mg ²⁺	1,000 U	E00008	\$60
Taq DNA Polymerase, concentrated	2,500 U	E00012	\$149
Taq and dNTP: 1,000 U of Taq (E00007); 0.5 ml of 10 mM dNTP (D0056)	1 Kit	E00101	\$79
2X Taq Master Mix	100 Rxns	E00019	\$43
TissueDirect™ DNA Multiplex PCR Kit (without enzyme)	100 Rxns	L00194	\$113
TissueDirect™ DNA Multiplex PCR Kit (with enzyme)	100 Rxns	L00195	\$159
BloodReady™ DNA Multiplex PCR Kit (without enzyme)	100 Rxns	L00196	\$111
BloodReady™ DNA Multiplex PCR Kit (with enzyme)	100 Rxns	L00197	\$157
PlantDirect™ DNA Multiplex PCR Kit (without enzyme)	100 Rxns	L00200	\$139
PlantDirect™ DNA Multiplex PCR Kit (with enzyme)	100 Rxns	L00201	\$159
BacReady™ DNA Multiplex PCR Kit (without enzyme)	100 Rxns	L00202	\$111
BacReady™ DNA Multiplex PCR Kit (with enzyme)	100 Rxns	L00203	\$157
CloneEZ® PCR Cloning Kit	24 rxns	L00339	\$175
Stabilized dNTP Mix, 10 mM each	0.5 ml	C01689	\$29
dNTP mixture, 10 mM each	0.5 ml	D0056	\$25
dATP (100 mM) >98% HPLC	1 ml	C01577*	\$45
dGTP (100 mM) >98% HPLC	1 ml	C01578*	\$45
dCTP (100 mM) >98% HPLC	1 ml	C01579*	\$45
dTTP (100 mM) >98% HPLC	1 ml	C01580*	\$45
dNTP (25 mM) >98% HPLC	1 ml	C01581*	\$45
dNTP (10 mM) >98% HPLC	1 ml	C01582*	\$45
pUC57 Forward	500 pmol	DA0001	\$30
pUC57 Reverse	500 pmol	DA0002	\$30
M13 Forward (-20)	500 pmol	DA0003	\$30
M13 Forward (-41)	500 pmol	DA0004	\$30
M13 Reverse (-27)	500 pmol	DA0005	\$30
M13 Reverse (-48)	500 pmol	DA0006	\$30
BGH Reverse	500 pmol	DA0007	\$30
SP6	500 pmol	DA0008	\$30
T7	500 pmol	DA0009	\$30
T7 Terminator	500 pmol	DA0010	\$30
pRNA-U6 Forward	500 pmol	DA0011	\$30
pRNA Reverse	500 pmol	DA0012	\$30
pRNA-H1 Forward	500 pmol	DA0013	\$30
pShuttle-H1.1 Reverse	500 pmol	DA0014	\$30
pAdTrack-H1.1 Forward	500 pmol	DA0015	\$30
pAdTrack-H1.1 Reverse	500 pmol	DA0016	\$30
T3 promoter	500 pmol	DA0018	\$30
pET 5' (T7)	500 pmol	DA0019	\$30
pET 3'	500 pmol	DA0020	\$30
pGEX 5'	500 pmol	DA0021	\$30
pGEX 3'	500 pmol	DA0022	\$30
pRNA-CMV Forward	500 pmol	DA0023	\$30
pRNA-H1.3 Forward	500 pmol	DA0024	\$30
SD1241 Forward	500 pmol	DA0025	\$30
SD1255 Forward	500 pmol	DA0026	\$30
SD1258 Forward	500 pmol	DA0027	\$30

*These products are also available in larger package sizes.

Product	Quantity	Cat. No.	Price
SD1258 Reverse	500 pmol	DA0028	\$30
SD0122 Reverse	500 pmol	DA0029	\$30
SD0123 Forward	500 pmol	DA0030	\$30
SD1563 Forward	500 pmol	DA0032	\$30



Chapter 3 Protein Analysis

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Overview

Active and purified proteins play crucial roles in nearly all biological processes, especially effect in the fields of functional and structural analysis, assay development, and drug candidate discovery. With GenScript's expertise and years of experience, you will have a trusted and committed provider, who offers a direct path to your successful protein research projects with

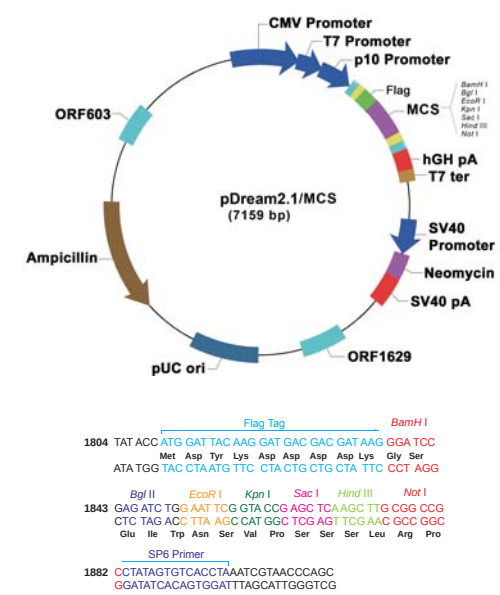
Protein Expression

Protein Expression Vectors

GenScript offers four unique expression vectors with enhanced promoters for efficient expression, selection, and analysis of recombinant proteins.

pDream 2.1/MCS Expression Vector

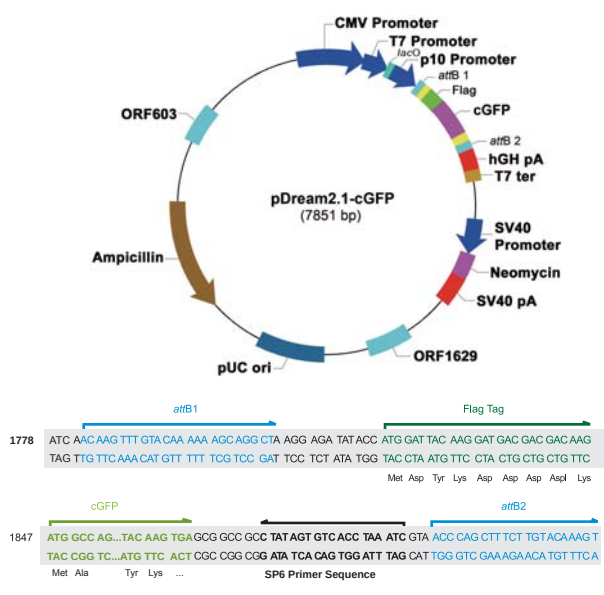
pDream 2.1/MCS is a widely used expression vector, which has seven restriction enzyme sites in MCS. The gene that is cloned into MCS can be expressed in three major protein expression systems: bacteria, insect cells, and mammalian cells.



broad spectrum of protein products, including protein expression vectors, protein isolation & purification resins and magnetic beads, Express™ PAGE gels, protein markers, eStain™ Protein Staining System, ONE-HOUR Western™ detection kits, and a wide selection of catalog proteins.

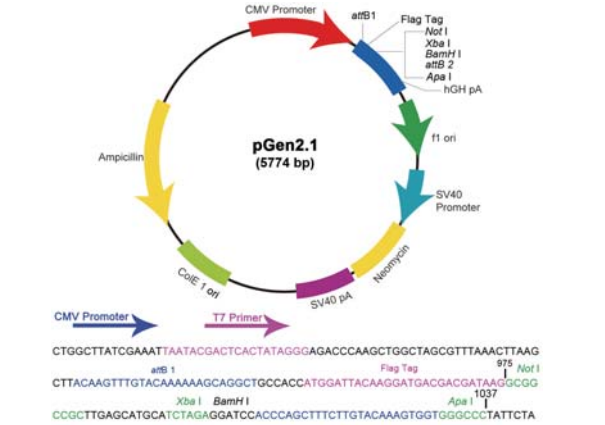
pDream 2.1-cGFP Expression Vector

pDream2.1-cGFP vector is a positive control vector. cGFP gene that is cloned into pDream 2.1/Neo can be expressed directly without any further cloning work in three major protein expression systems: bacteria, insect cells, and mammalian cells.



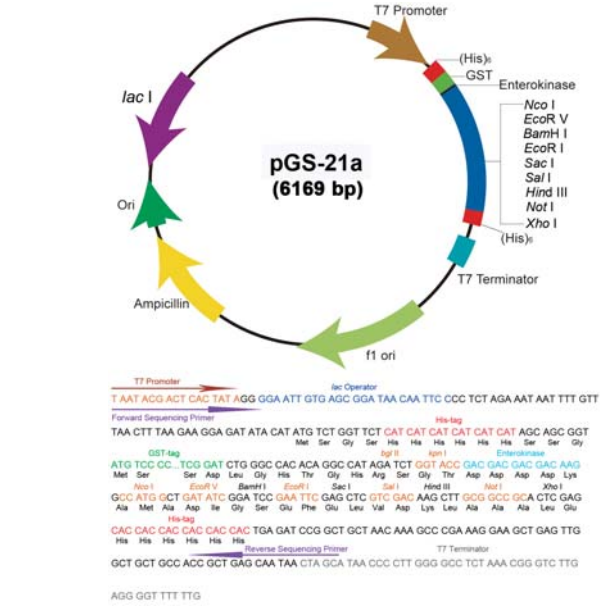
pGen2.1 Vector

pGen2.1 is a human cytomegalovirus (CMV) promoter-based mammalian gene expression vector. CMV promoter is one of the strongest promoters described. A target gene can be conveniently cloned into pGen2.1 vector at the multiple cloning site (MCS). The target protein is expressed with a flag tag at the N-terminal. This vector also contains a selectable marker for mammalian cells, neomycin phosphotransferase gene, under SV40 promoter. pGen2.1 vector is used for either transient expression or stable expression in the presence of the antibiotic G418.



pGS-21a Vector

The pGS-21a vector is designed for cloning, high-level expression and convenient purification of proteins fused with both 6xHis and GST. Two 6xHis sequences are introduced into the vector for easy detection and purification of fused proteins. The first 6xHis is fused to GST and the fused tag 6xHis-GST can be cleaved using enterokinase. The second 6xHis is used for detection and further purification after the cleavage of 6xHis-GST.



Product Overview:

Product	Quantity	Cat. No.	Price
pDream2.1/MCS	10 µg	SD0222	\$150
pDream2.1-cGFP	10 µg	SD0220	\$250
pGen2.1	10 µg	SD0122	\$175
pGS-21a	10 µg	SD0121	\$140

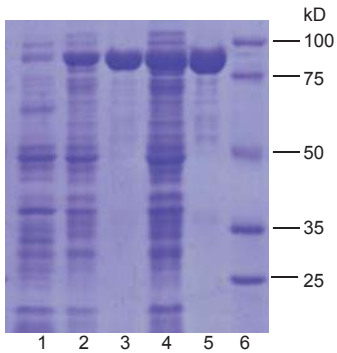
For more information on protein expression vectors, visit <http://www.genscript.com/Vectors.html>

Easy Self-Induction Medium

- Higher yield than IPTG induction systems
- No tedious O.D. monitoring and induction steps
- Ideal for T7-regulated *E. coli* expression systems

GenScript's Easy Self-Induction Medium facilitates high-yield expression of recombinant proteins in T7-regulated *E. coli* expression systems without IPTG induction. Using this medium, researchers have no need to monitor cell optical density (OD) or to optimize IPTG induction conditions. Furthermore, the protein yield is typically three times higher than that obtained by traditional LB-IPTG methods. Supplied as a pre-sterilized and ready-to-use liquid, the Easy Self-Induction Medium requires no other supplements beside antibodies.

Higher protein yield achieved with the Easy Self-Induction Medium



Lane 1: NC, un-induced protein
Lane 2: Protein induction with LB + IPTG
Lane 3: Purified protein from LB + IPTG
Lane 4: Protein induction with Easy Self-Induction Medium
Lane 5: Purified Protein from Easy Self-Induction Medium
Lane 6: Smart Protein Standard (GenScript, MM0900)

Product Overview:

Product	Quantity	Cat. No.	Price
Easy Self-Induction Medium	500 ml	M00104	\$29

For more information on protein expression reagents, visit http://www.genscript.com/Protein_Expression_Reagents.html

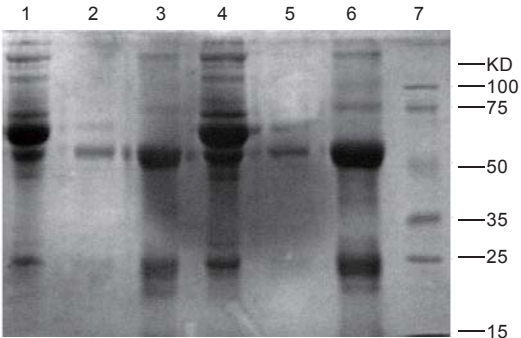
Protein Isolation and Purification

Protein Purification Resins

- Quick and convenient separation
- Minimum cross-contamination
- High binding capacity
- Reusable at least six times

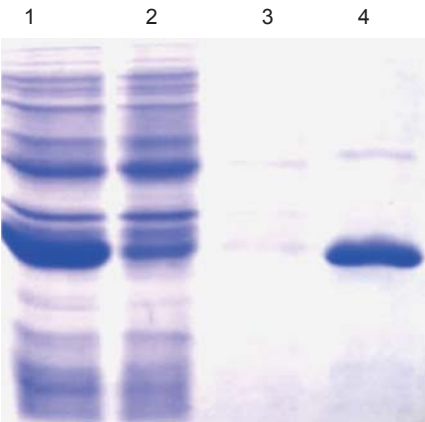
GenScript provides a series of protein purification resins that allow efficient and reliable purification of target proteins and antibodies from biological samples, including cell lysates and culture supernatants. These resins are covalently cross-linked or coated with Protein A, Protein G, Protein L, antibodies, Ni²⁺, biotin, or glutathione. Resin-based purification methods significantly have lowered the possibility of cross-contamination and loss of proteins associated with centrifugation or gravity precipitation methods. Protein resins purification is also less labor-intensive and time-consuming.

SDS-PAGE analysis of protein purified by Protein A Resin (L00210)



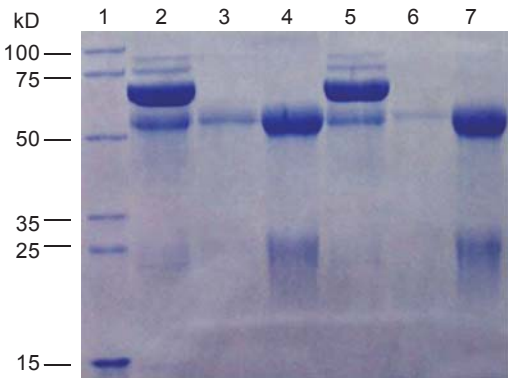
SDS-PAGE analysis of antibody purification using Protein A Resin
Lane 1-3: Protein A Resin (Corporation X)
Lane 1: Flow through Lane 2: Wash Lane 3: Elution
Lane 4-6: Protein A Resin (GenScript, L00210)
Lane 4: Flow through Lane 5: Wash Lane 6: Elution
Lane 7: Smart Middle-Range Protein Standard (GenScript, MM0900)

SDS-PAGE analysis of protein purified by Hight-Affinity GST Resin (L00206)



Lane 1: Whole proteins were passed through high-affinity GST-resin (GenScript, L00206).
Lane 2: Flow through
Lane 3: Wash
Lane 4: Elution

SDS-PAGE analysis of protein purified by Ultra Protein A Resin (L00400)



Lane 1: Smart Middle-Range Protein Standard (GenScript, MM0900)
Lane 2-4: Protein A Resin (GenScript, L00400)
Lane 2: Flow through Lane 3: Wash Lane 4: Elution
Lane 5-7: Protein A Resin (Competitor X)
Lane 5: Flow through Lane 6: Wash Lane 7: Elution

Product Overview:

Product	Quantity	Cat. No.	Price
Hlgh-Affinity GST Resin	10 ml	L00206	\$98
Protein A Resin	5 ml	L00210	\$98
Ultra Protein A Resin	5 ml	L00400	\$249
Protein G Resin	5 ml	L00209	\$129
Protein L Resin	5 ml	L00239	\$129
IminoBiotin Resin	5 ml	L00272	\$118
Streptavidin Resin	5 ml	L00353	\$139
High Affinity Ni-Charged Resin	10 ml	L00223	\$80
Goat Anti-Chicken IgY Precipitating Resin	1 ml	L00405	\$169
High-Affinity Iodoacetyl Resin	10 ml	L00403	\$150

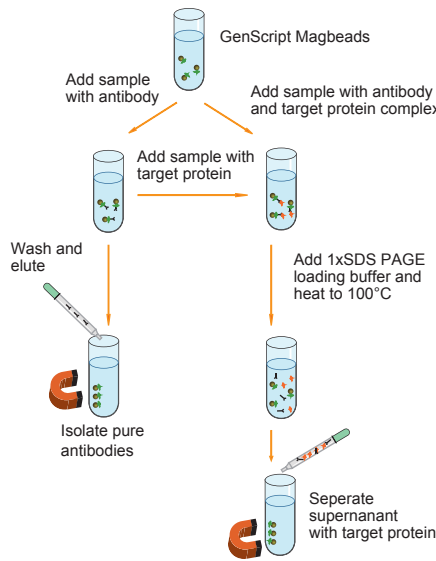
For more information on protein purification resins, visit http://www.genscript.com/protein_purification_resins.html

Magnetic Beads for Protein Isolation

Magnetic separation of protein and protein complexes

- Quick and convenient separation
- High capacity
- Minimum nonspecific binding
- Reusable up to six times

GenScript provides a series of magnetic beads that efficiently and reliably purify target recombinant proteins and antibodies from any type of cell lysates. Monosized, magnetic beads with Protein A, or Protein G, or a specific antibody coupled to their surface provide a suspendable solid support for immunoprecipitation of pure target proteins. The captured immune complexes are easily removed from the supernatant by magnetic separation. Magnetic separation technology allows for simple and efficient washing. The pure precipitate can then be eluted from the beads and analyzed by western blotting or mass spectrometry.



Choose MagBeads for your immunoprecipitation or protein isolation application

Application	Product	Technology	Binding Capacity	Quantity	Cat.No.
Immunoglobulin isolation	Protein A MagBeads	Mammalian IgGs capture through the Fc regions with Protein A	>10 mg Porcine IgG/ml beads	1 ml	L00273
	Protein G MagBeads	Mammalian IgGs capture through the Fc regions with Protein G, but Unlike protein A, protein G MagBeads does not bind to human IgM, IgD and IgA.	> 10 mg Goat IgG/ml beads	0.5 ml	L00274
	Protein A/G MagBeads	Has a much broader binding range than either Protein A or Protein G individually.	> 10 mg Goat or Porcine IgG/ml beads	0.5 ml	L00277
	Goat Anti-Rabbit IgG MagBeads	Rabbit IgG capture through Goat anti-rabbit IgG	50-100 µg Rabbit IgG /ml beads	0.5 ml	L00328
	Donkey Anti-Goat IgG MagBeads	Goat IgG capture through Donkey anti-Goat IgG	150-200 µg Goat IgG /ml beads	0.5 ml	L00332
Isolation and enrichment of polyhistidine-tagged protein or protein complex in immunoprecipitation (IP)	Anti-His mAb MagBeads	Poly-histidine tagged fusion protein capture through anti-His monoclonal antibody	> 150 µg His-tagged protein/ml beads	0.5 ml	L00275
	Ni-Charged MagBeads	Poly-histidine tagged fusion protein capture through nickel ion	5 - 20 mg of His-tagged protein/ml beads	2 ml	L00295
Immunoprecipitation (IP) and GST or GST fusion protein isolation	Mouse Anti-GST mAb MagBeads	GST-fusion protein capture through anti-GST monoclonal antibody	50-100 µg GST Protein/ml beads	0.5 ml	L00336
	GST MagBeads	GST-fusion protein capture through reduced glutathione	5 - 10 mg of GST/ml beads	2 ml	L00327
Immunoprecipitation (IP) and Trx-fusion protein isolation	Mouse Anti-Trx mAb MagBeads	Trx-fusion protein capture through Mouse anti-Thioredoxin (TRX) monoclonal antibody	> 50 µg Trx-fusion Protein/ml beads	0.5 ml	L00337

Product Overview:

Product	Quantity	Cat. No.	Price
Protein A MagBeads	1 ml	L00273	\$89
Protein G MagBeads	0.5 ml	L00274	\$125
Protein A/G MagBeads	0.5 ml	L00277	\$148
Goat Anti-Rabbit IgG MagBeads	1 ml	L00328	\$159
Donkey Anti-Goat IgG MagBeads	0.5 ml	L00332	\$159
GST MagBeads	2 ml	L00327	\$108
Mouse Anti-GST mAb MagBeads	0.5 ml	L00336	\$159
Anti-His mAb MagBeads	0.5 ml	L00275	\$197
Mouse Anti-Trx mAb MagBeads	0.5 ml	L00337	\$159
Ni-Charged Magnetic Beads	2 ml	L00295	\$98
2-Tube Magnetic Separation Racks	1 rack	M00112	\$29
Multifunctional Magnetic Separation Rack	1 rack	M00140	\$99

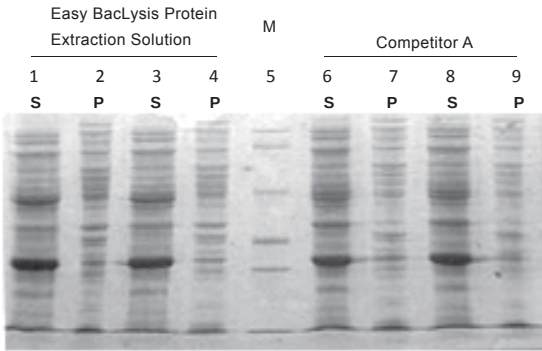
For more information on magnetic beads for protein isolation, visit http://www.genscript.com/Magnetic_beads_products.html

Easy BacLysis Protein Extraction Solution

- Easy-to-use, single solution format in just 20-min
- Rapid cell lysis of recombinant *E. coli*
- Compatible with small- and large-scale protein extraction
- Suitable for soluble and insoluble protein extraction

Protein extraction reagents are used for the initial purification and preparation of proteins from any tissues and cells. The Easy BacLysis Protein Extraction Solution facilitates the removal of soluble proteins from *E. coli* by gently disrupting the bacterial cell wall. This precisely formulated product provides a simple, speedy, low-cost alternative to mechanical methods such as French Press or sonication. The proprietary formulation employs a mixture of non-ionic detergents that perforate the cell wall without denaturing soluble protein.

SDS-PAGE analysis and Coomassie blue staining of extracted soluble proteins from *E. coli* with Easy BacLysis Protein Extraction Solution (GenScript, L00230)



S: Supernatant P: Pellet

1.5 ml cultures of *E. coli* strain BL21 (DE3) containing pET-28a encoding target protein were harvested by centrifugation and resuspended in 300 µl competitor A protein extraction reagent or Easy BacLysis Protein Extraction Solution. Samples in lysis reagent were treated according to their respective protocols. Extracts were clarified by centrifugation, then supernatants were removed and insoluble fractions were resuspended in 300 µl distilled water. The supernatant and insoluble fractions were analyzed by SDS-PAGE and coomassie blue staining

Product Overview:

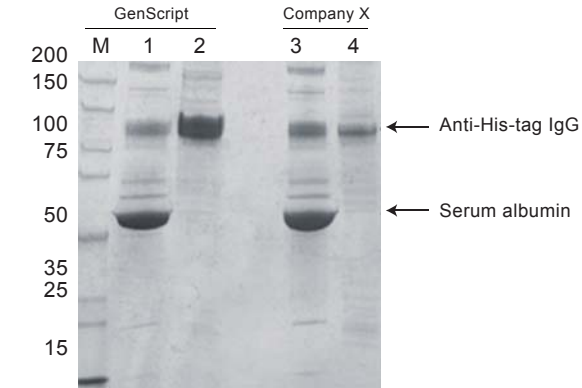
Product	Quantity	Cat. No.	Price
Easy BacLysis Protein Extraction Solution	500 ml	L00230	\$148
Easy BacLysis Protein Extraction Solution with Hercules Endonuclease	1 Kit	L00240	\$228

For more information on protein extraction solution, visit http://www.genscript.com/protein_extraction_reagents.html

Protein Purification Kits

- High binding capacity
- Minimal loss of antigen protein

Protein Purification Kits contain high-affinity resins and all the necessary buffers need to facilitate proteins or antibodies purification. Protein Expression and Purification Kit also contains pGS-21a vector for easy cloning, high-level expression and convenient purification of proteins fused with both 6xHis tag and GST tag.



SDS-PAGE analysis of Anti-His-tag IgG purified by Iodoacetyl Resin from GenScript and Company X. A peptide containing His-tag was coupled to the resin from GenScript and Company X , respectively. The flow through and the elution fractions were analyzed.

M: Smart Broad-Range Protein Standard (GenScript, MM0906)
Lane 1: Flow through (GenScript) Lane 2: Elution (GenScript)
Lane 3: Flow through (Company X) Lane 4: Elution (Company X)

Product Overview:

Product	Quantity	Cat. No.	Price
Protein Expression and Purification Kit	1 Kit	L00208	\$235
GST Fusion Protein Purification Kit	1 Kit	L00207	\$139
High-Affinity Antibody Purification Kit	1 Kit	L00404	\$139

For more information on protein purification kits, visit http://www.genscript.com/protein_purification_resins.html

Protein Electrophoresis

Electrophoresis is a rapid, simple, and highly sensitive tool of proteins analysis. The separation of denatured protein bound with SDS with negative charges by electrophoresis is based on the fact that molecules with different weights will migrate through a gel matrix upon application of an electric filed. GenScript

provides high-quality products and reagents for protein electrophoresis, which include a full range of Express™ PAGE gels and most accurate pre-stained and unstained protein standards. The widespread use of PAGE gels and protein standards ensures you to achieve reliable separation results.

Express™ PAGE Gel System

High-performance and high-quality precast protein gels

- Superior protein band resolution
- Fast sample running time (45 min or less)
- High protein transfer efficiency
- Long shelf life (Up to 12 months at 4°C)

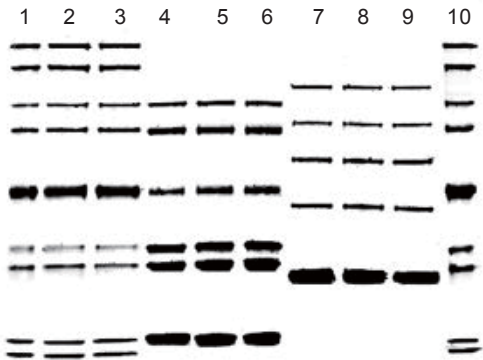
The Express™ PAGE Gel System is a high-performance precast polyacrylamide gel system with a variety of acrylamide percentages. With GenScript proprietary technology, Express™ PAGE gels are designed as an easy-to-use tool. The unique gel formulations eliminate the “smiles” and poor resolution of other gel types. You'll produce reliable separation results every

time. In addition, proteins transfer from Express™ PAGE gels is more efficient, leading to more sample on your membrane for higher detection signals during western analysis.

The protein migration table as below can help you to choose the appropriate gels for your protein samples. You're sure to find one that meets your electrophoresis needs. The data of this table is from gels run at 140 volts for 45 min. At 140 volts, the Bromophenol Blue band will reach the bottom of the gels in about 30 min.

% Acrylamide				
8%	10%	12%	4-20%	8-16%
205 kDa	2056 kDa	2056 kDa	2056 kDa	2056 kDa
	116 kDa	116 kDa	116 kDa	116 kDa
116 kDa		67 kDa	67 kDa	67 kDa
67 kDa	67 kDa		67 kDa	
	45 kDa	45 kDa	45 kDa	45 kDa
45 kDa		29 kDa	29 kDa	
	24 kDa		21 kDa	20 kDa
		14.2 kDa	6.5 kDa	14.2 kDa

Proteins ranging from 6.5 kDa to 205 kDa would be resolved best on 4-20% Express™ PAGE gels as following performance:



Three kinds of protein standards were run electrophoresis at 140 volts for 45 minutes and semi-dry transferred at 20 volts for 30 minutes.
Lane1, 2, 3, 10: Smart Broad-Range Protein Standard (GenScript, MM0906)
Lane4, 5, 6: Smart Middle-Range Protein Standard (GenScript, MM0900)
Lane7, 8, 9: EasyWestern Protein Standard (GenScript, MM0908)

Product Overview:

Product	Separation Range	Volumn	Quantity	Cat. No.	Price
Express™ PAGE gels (4 -20%), 10 Wells	205 - 6.5 kDa	50 µl	1 Box of 10	MG420W10	\$68
Express™ PAGE gels (4 -20%), 12 Wells	205 - 6.5 kDa	30 µl	1 Box of 10	MG420W12	\$68
Express™ PAGE gels (4 -20%), 15 Wells	205 - 6.5 kDa	25 µl	1 Box of 10	MG420W15	\$68
Express™ PAGE gels (8 -16%), 10 Wells	205 - 14 kDa	50 µl	1 Box of 10	MG816W10	\$68
Express™ PAGE gels (8 -16%), 12 Wells	205 - 14 kDa	30 µl	1 Box of 10	MG816W12	\$68
Express™ PAGE gels (8 -16%), 15 Wells	205 - 14 kDa	25 µl	1 Box of 10	MG816W15	\$68
Express™ PAGE gels (12%), 10 Wells	205 - 14 kDa	50 µl	1 Box of 10	MG012W10	\$68
Express™ PAGE gels (12%), 12 Wells	205 - 14 kDa	30 µl	1 Box of 10	MG012W12	\$68
Express™ PAGE gels (12%), 15 Wells	205 - 14 kDa	25 µl	1 Box of 10	MG012W15	\$68
Express™ PAGE gels (10%), 10 Wells	205 - 24 kDa	50 µl	1 Box of 10	MG010W10	\$68
Express™ PAGE gels (10%), 12 Wells	205 - 24 kDa	30 µl	1 Box of 10	MG010W12	\$68
Express™ PAGE gels (10%), 15 Wells	205 - 24 kDa	25 µl	1 Box of 10	MG010W15	\$68
Express™ PAGE gels (8%), 10 Wells	205 - 45 kDa	50 µl	1 Box of 10	MG008W10	\$68
Express™ PAGE gels (8%), 12 Wells	205 - 45 kDa	30 µl	1 Box of 10	MG008W12	\$68
Express™ PAGE gels (8%), 15 Wells	205 - 45 kDa	25 µl	1 Box of 10	MG008W15	\$68
5X Sample Buffer	-	-	5 ml	MB01015	\$25
Express Gel Running Buffer Powder	-	-	1 Box (5/PK)	M00138*	\$38
Transfer Buffer Powder	-	-	1 Box (10/PK)	M00139*	\$58

*To make 1000 ml 1X Running Buffer or Transfer Buffer per package

For more information on Express™ PAGE gel system, visit http://www.genscript.com/express_page_gels.html

Pre-Stained and Unstained Protein Standards

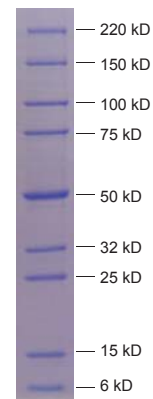
Monitoring molecular weight separation during electrophoresis

- **Sharp Bands**—Clearer estimation of MW
- **Broad Molecular Weight Range** (6 kDa to 220 kDa)
- **Easy Identification**—Ladder-like band separation.

Protein molecular weight standards are used to estimate sample molecular weights, monitor the progress of an electrophoresis run, and serve as a positive control for the electrophoresis and Western applications. GenScript offers a wide selection of pre-stained and unstained protein standards.

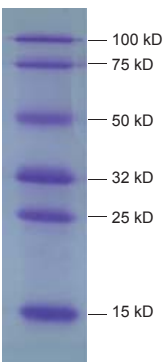
The Pre-Stained Protein Standards consist of color bands for easy identification and allow you to monitor molecular weight separation during electrophoresis. The Unstained Protein Standards provide bands that are unmodified by the presence of dye, for accurate molecular weight estimation of gel electrophoresis. Available in convenient package sizes, all standards have undergone stringent QC to assure consistent performance to provide the sharper bander in the broader molecular weight range available.

Smart Broad-Range Protein Standard



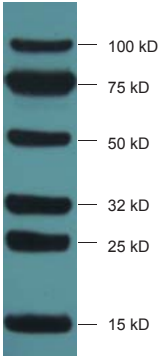
4-20% gradient SDS-PAGE gel, Coomassie staining. Smart Broad-Range Protein Standard shows nine bands ranging in size from 6 to 220 kD.

Smart Middle-Range Protein Standard



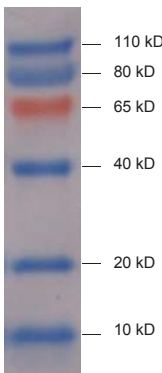
The Smart Middle-Range Protein Standard is a mixture of six highly purified recombinant proteins ranging in size from 15 to 100 kD .

Smart His-Tagged Protein Standard



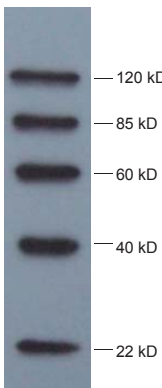
Smart His-Tagged Protein Standard detected with THE™ His-tag antibody (GenScript, A00186) and Goat Anti-Mouse IgG [HRP] (GenScript, A00160) (4-25% Tris-glycine gradient gel, PVDF membrane, chemiluminenscent substrate).

Smart Pre-Stained Middle-Range Protein Standard



4-20% gradient SDS-PAGE gel. The Smart Pre-Stained Middle-Range Protein Standard is a mixture of six highly purified recombinant proteins ranging in size from 10 to 110 kD, covalently coupled to blue and red dyes.

EasyWestern Protein Standard



EasyWestern Protein Standard is a mixture of five highly purified recombinant proteins ranging in size from 22 to 120 kD. During Western blotting, it binds to constant chains of primary and secondary antibodies, enabling the direct visualization of the standard. The EasyWestern Protein Standard can bind IgGs from human, mouse, rat, sheep, goat, and rabbit. However, it is not stained when protein A- or protein G-based detection methods are used.

Product Overview:

Product	Quantity	Cat. No.	Price
Smart Broad-Range Protein Standard	100 Lanes	MM0906	\$58
Smart Middle-Range Protein Standard	100 Lanes	MM0900	\$49
Smart His-tagged Protein Standard	100 Lanes	MM0904	\$98
Smart Pre-Stained Middle-Range Protein Standard	100 Lanes	MM0905	\$95
EasyWestern Protein Standard	100 Lanes	MM0908	\$68
High Range EasyWestern Protein Standard	100 Lanes	M00276	\$68
Protein Marker for Fluorescent Western Blotting	100 Lanes	M00124	\$98

For more information on Pre-Stained and Unstained Protein Standards, visit http://www.genscript.com/protein_markers.html

Endotoxin Detection and Removal System

Edotoxin-free world coming with GenScript

Endotoxin test is the most critical quality control test required by FDA for all drugs in the final formulation. Because endotoxins are invariably associated with every gram-negative bacteria, they cause severe reactions in humans and animals and retain high toxic activity even at low concentration. In addition, endotoxins are suspected to play an important role in the occurrence and development of many different diseases.

GenScript is a leading company to provide innovative techniques for endotoxin detection and removal. The ToxinSensor™ Endotoxin Assay Kits are designed to detect *in vitro* endotoxin levels in a broad range of 0.005 - 1 EU/ml for human and animal parenteral drugs and biological samples. The ToxinEraser™ Endotoxin Removal Kit provides higher removal efficiency in which endotoxin level can drop below 0.1 EU/ml.

ToxinSensor™ Chromogenic LAL Endotoxin Assay Kit

- Superior linearity and reproducibility
- High sensitivity and board application range
- Ready-to-use reagents and materials

ToxinSensor™ Chromogenic LAL Endotoxin Assay Kit is designed as a quantitative *in vitro* end-point endotoxin test for human and animal parenteral drugs, biological products, and medical devices. This method utilizes a modified Limulus Amebocyte Lysate (LAL) and a synthetic color producing substrate to detect endotoxin chromogenically in a broad range of 0.005 - 1 EU/ml. The procedures described in manual herein conform to those described in the FDA guideline.

Under the standard conditions, the absorbance at 545 nm is linear in the concentration range of 0.005 to 0.1 or 0.1 to 1 EU/ml endotoxin. Plot the mean absorbance for the four standards on the x-axis, the corresponding endotoxin concentration in EU/ml on the y-axis.

Product Overview:

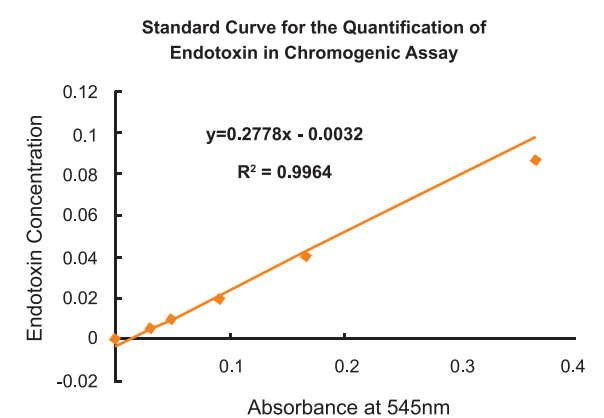
Product	Quantity	Cat. No.	Price
ToxinSensor™ Chromogenic LAL Endotoxin Assay Kit	1 Kit	L00350	\$125

ToxinSensor™ Gel Clot Endotoxin Assay Kit

ToxinSensor™ Gel Clot Endotoxin Assay Kit is used for qualitative test for gram-negative bacterial endotoxin. Limulus Amebocyte Lysate as supplied is to be reconstituted with LAL reagent water and then mixed in equal parts with the solution being tested. After incubation, gelation occurs in the presence of endotoxin and does not occur in the absence of endotoxin. ToxinSensor™ Gel Clot Endotoxin Assay Kit is designed as an

in vitro end-product endotoxin test for human and animal parenteral drugs, biological products, and medical devices. The procedures described in manual conform to those described in the FDA Guideline. Similar performance requirements for gel clot assays have been published and are updated regularly in the United States Pharmacopeia.

Draw a best-fit straight line among these points and determine endotoxin concentrations of samples graphically.



1. Sample: Protein A, 1 mg/ml in PBS, pH 7.4. It is purified from *E. coli* sonicate by Ni-NTA Resin.
2. Dilution by LAL Water: 1: 200,000, 1: 400,000, 1: 800,000
3. The test is performed as described above and the assay result is:

Positive Control	Negative Control	1: 200,000	1: 400,000	1: 800, 000
+	-	+	-	-

4. Endotoxin concentration in the sample is: from 200,000×0.25 to 400,000×0.25, that is, from 50,000 to 100,000 EU/ml.

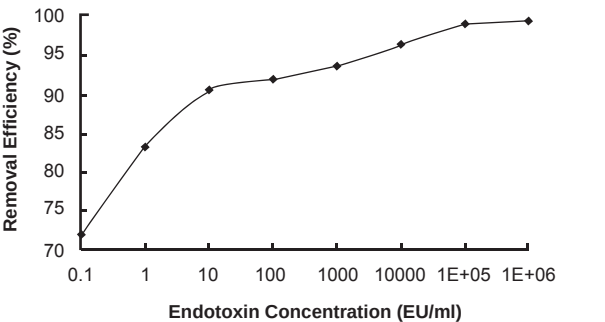
Product Overview:

Product	Quantity	Cat. No.	Price
ToxinSensor™ Gel Clot Endotoxin Assay Kit	1 Kit	L00351	\$90

ToxinEraser™ Endotoxin Removal System

- High binding capacity (>2,000,000 EU/ml)
- Superior removal efficiency
- Reusable up to five times

GenScript's ToxinEraser™ Endotoxin Removal System includes Endotoxin Removal Kit, ToxinEraser™ Endotoxin Removal Resin, and ToxinEraser™ buffers. The system is based on the affinity matrix of modified polymyxin B (PMB), which allows highly efficient endotoxin removal. The final endotoxin level can drop below 0.1 EU/ml after repeated use of resin.



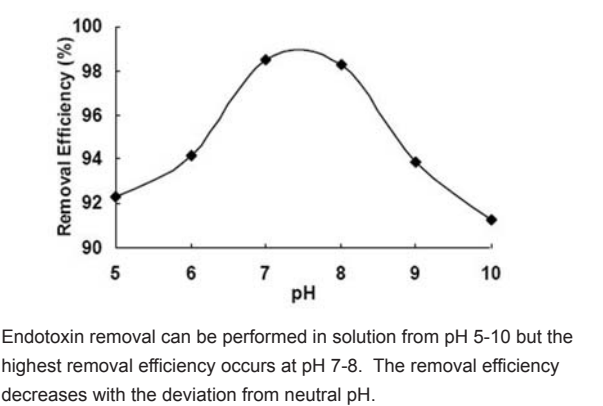
Endotoxin removal efficiency is highly affected by and directly proportional to endotoxin concentration

Product Overview:

Product	Quantity	Cat. No.	Price
ToxinEraser™ Endotoxin Removal Kit	1 Kit	L00338	\$110
ToxinEraser™ Endotoxin Removal Resin	1 ml	L00402	\$60
ToxinEraser™ Regeneration Buffer	125 ml	M01053	\$25
ToxinEraser™ Equilibration Buffer	125 ml	M01054	\$25

For more information on endotoxin detection and removal system, visit http://www.genscript.com/endotoxin_detection_and_removal_system.html

The Effect of pH on Removal Efficiency



Protein Detection and Immunoassay

eStain™ Protein Staining System

Revolutionary electric staining system for 7-min protein gel staining

- **Faster**—Complete protein staining in 7 minutes or less
- **Easier**—Hit button and run
- **Cleaner**—No buffer prepared
- **Safer**—Unique formulation without methanol

The eStain™ Protein Staining System is designed to quickly and reliably perform protein staining with Coomassie Blue dye reagents in 7 minutes or less. It consists of the eStain™ Protein Staining Device and eStain™ Protein Staining Pad. The eStain™ Protein Staining System integrates three steps of conventional Coomassie Blue staining procedure into one step and greatly cuts down the time required for protein staining analysis, thereby resulting in consistent performance.

The eStain™ Protein Staining System is compatible with a wide range of polyacrylamide gels, including Express™ PAGE, Bis-Tris, Tris-Acetate, Tris-Glycine, and Tris-Tricine gels. In addition to ease and convenience, the eStain™ Protein Staining System provides as high detection sensitivity as conventional Coomassie Blue staining method. In the end, you'll see sharp protein bands with clear background.



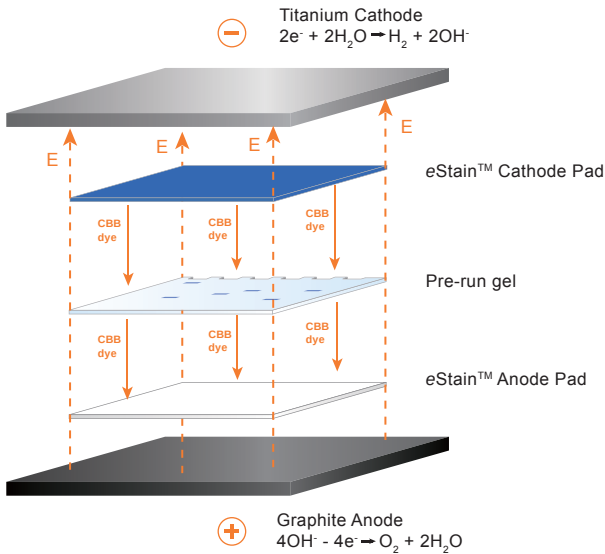
The eStain™ Protein Staining System take less time than the Coomassie blue staining products from other manufacturers

Conventional Coomassie Blue Staining	SimplyBlue™ SafeStain (Basic Protocol)	Bio-safe Coomassie Stain	Gelcode™ Blue Safe Protein Stain (Basic Protocol)	eStain® Protein Staining System
Fix 1 hour	Rinse 15 min	Wash 15 min	Wash 15 min	-
Stain 30 min - 1 hr	Stain 1 – 3 hr	Stain 1 hr	Stain 15 min – 1 hr	Electric Staining 7 min
Destain 2 hr – overnight	Wash 1 – 3 hr	Rinse 30 min	Destain 1 – 2 hr	-
≥3 hr, 30 min	2 hr, 15 min – 6 hr, 15 min	1 hr, 45 min	1 hr, 30 min – 3 hr, 15 min	Only 7 min

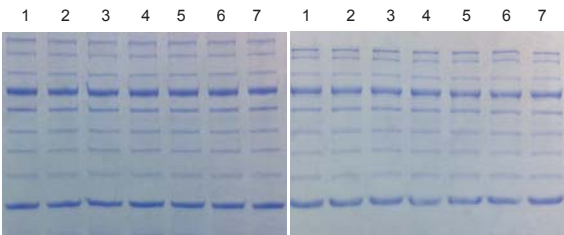
How eStain™ Protein Staining System Works

The high electric force generated between graphite anode and titanium cathode of the eStain™ Device drives negatively charged Coomassie Blue dye reagents into the gel matrix to

stain the proteins and the free staining reagents out of the gel matrix to destain the gel.



eStain™ Protein Staining System provides high staining efficiency as conventional Coomassie Blue staining method



High staining efficiency achieved using the eStain™ System. Samples were separated on Express™ 4-20% PAGE gels and stained by eStain™ Protein Staining System (L) and conventional Coomassie Blue staining method (R) with R-250. Lanes 1-7 : 5 ul NEB broad range protein marker.

Product Overview:

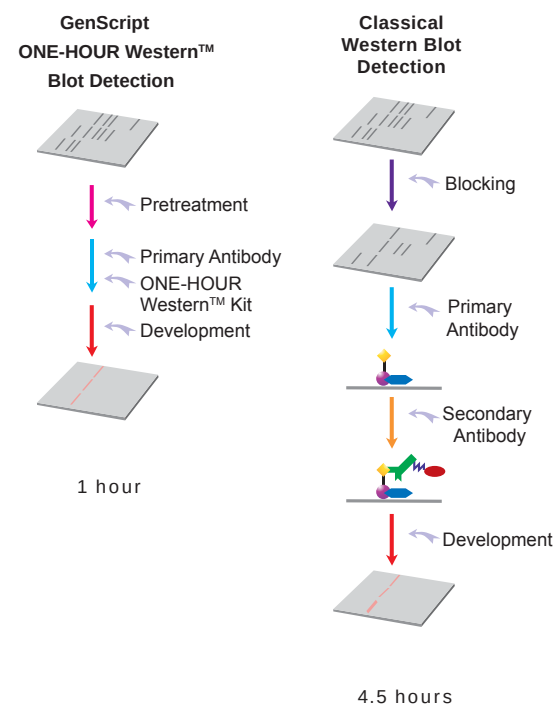
Product	Quantity	Cat. No.	Price
eStain™ Protein Staining Device	1 unit	L02010	\$550
eStain™ Protein Staining Pad (R-250, 20-pak)	1 box	L02011	\$40
eStain™ Protein Staining Pad (G-250, 20-pak)	1 box	L02012	\$40
eStain™ Graphite Electrode (10 mm, 1-pak)	1 unit	L02013	\$50
eStain™ Graphite Electrode (11 mm, 1-pak)	1 unit	L02014	\$50
eStain™ Graphite Electrode (12 mm, 1-pak)	1 unit	L02015	\$50

For more information on eStain™ protein staining system, visit http://www.genscript.com/eStain_protein_staining_system.html

ONE-HOUR Western™ Detection System

Accurate western analysis in less time and with less effort

The ONE-HOUR Western™ Detection System is designed to produce high signal with low background for quick and clear Western analysis of proteins. GenScript's breakthrough ONE-HOUR Western™ technology streamlines the classical Western blot analysis by bypassing secondary antibody binding and washing steps. The system reduces the total Western blot analysis time from 4.5 hours down to only one hour.



ONE-HOUR Western™ Kit Selection Guide

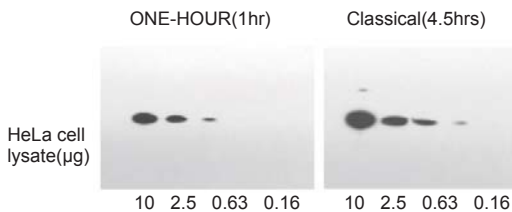
ONE-HOUR Western™ Detection Kits	Features	Total Time
ONE-HOUR Western™ Standard Kits	- Recommended for regular users - Convenient package with all reagents included - Fast and easy to perform - High sensitivity and low background	1 hour
ONE-HOUR Western™ Advanced Kits	- Recommended for detection of low amounts of protein - Higher sensitivity and lower background	1.25 hours
ONE-HOUR IP-Western Kits	- For immunoprecipitated proteins - Low background - Journal-quality images	1 hour
ONE-HOUR Western™ Fluorescent Kit	- No dark room, developer or X-Ray film is needed - More sensitive than traditional chemiluminescence methods	1.25 hours
ONE-HOUR Western™ Multiplex Fluorescent Kit	- Simultaneous detection of multiple targets on a single blot - Saves time associated with optimizing fluorescent Western blots	1.25 hours

For more information about ONE-HOUR Western™ Detection System, visit http://www.genscript.com/western_tech.html

ONE-HOUR Western™ Standard Kits

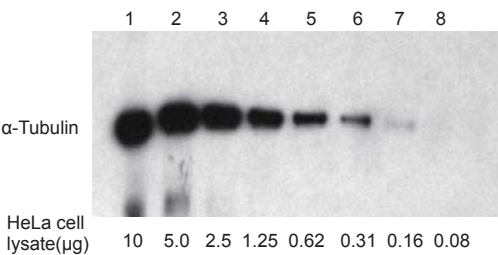
Optimized and ready-to-go system for Western analysis

- Fast and Easy**—The entire Western procedure is completed within one hour.
- Ready-to-Go**—The kits come with complete secondary antibodies and need no special labeling and far less optimization than traditional three-step kits.
- High Sensitivity**—The sensitivity of the ONE-HOUR Western™ Complete Kits is comparable to or even better than that of any classical 4.5-hour procedure.



Western blots detection of α -Tubulin protein from HeLa cell lysate by both classical Western and ONE-HOUR Western™ Standard Kit (L00205C10)

ONE-HOUR Western™ Standard Kits, equipped with priority GenScript's ONE-HOUR Western™ technology, contain all the necessary reagents, buffers, nitrocellulose membrane and substrates for performing the Western or dot blot analysis. All the components in ONE-HOUR Western™ Standard Kits have been optimized for the best results.



Western blot detection of α -Tubulin using the ONE-HOUR Western™ Standard Kit (GenScript, L00204C) and α -tubulin polyclonal antibody (Abcam, ab4074). The blot was developed with the LumiSensor™ Chemiluminescent HRP Substrate included in the kit.

Product Overview:

Product	Quantity	Cat. No.	Price
ONE-HOUR Western™ Standard Kit (Goat)	1 Kit (5 assays)	L00228	\$75
ONE-HOUR Western™ Standard Kit (Mouse)	1 Kit (5 assays)	L00205C	\$75
ONE-HOUR Western™ Standard Kit (Rabbit)	1 Kit (5 assays)	L00204C	\$75
ONE-HOUR Western™ Standard Kit Using TMB (Rabbit)	1 Kit (5 assays)	L00204T	\$75
ONE-HOUR Western™ Standard Kit Using TMB (Mouse)	1 Kit (5 assays)	L00205T	\$75
ONE-HOUR Western™ Standard Kit Using TMB (Goat)	1 Kit (5 assays)	L00228T	\$75

For more information on ONE-HOUR Western™ Standard Kit , visit http://www.genscript.com/western_complete_kit.html

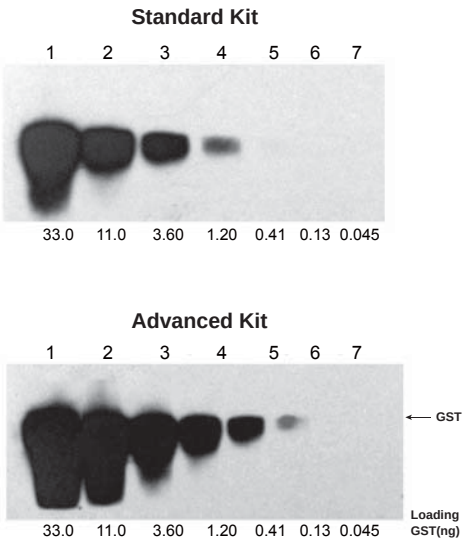
ONE-HOUR Western™ Advanced Kits

The best Western detection kit for lower quantity of proteins

- **Superior Sensitivity**—The kits reveal very low amount of relevant protein.
- **Less Amount of Antibody Needed**—As low as 0.5-2 µg of antibody is required to attain superior results.

GenScript's ONE-HOUR Western™ Advanced Kits are designed to detect very low amount of relevant protein.

Comparison of two ONE-HOUR Western™ kits using monoclonal antibodies



Western blots detection of GST protein using two ONE-HOUR Western™ Kits: Standard (GenScript, L00205C) and Advanced (GenScript, L00242). 10 µg and 2.5 µg of THE™ GST-tag mAb (GenScript, A00865) were used with these two kits to detect GST protein, respectively.

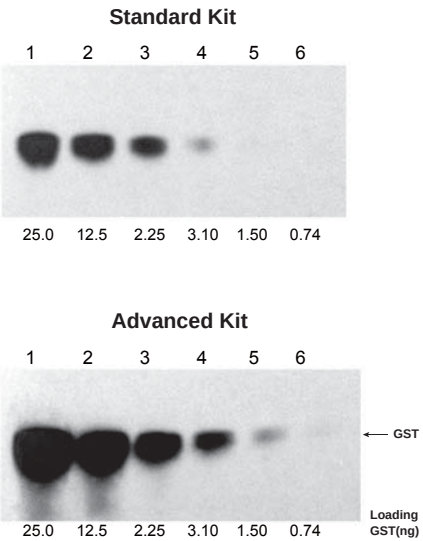
Product Overview:

Product	Quantity	Cat. No.	Price
ONE-HOUR Western™ Advanced Kit (Rabbit)	1 Kit (10 assays)	L00241	\$275
ONE-HOUR Western™ Advanced Kit (Mouse)	1 Kit (10 assays)	L00242	\$275
ONE-HOUR Western™ Advanced Kit (Goat)	1 Kit (10 assays)	L00243	\$275

For more information on ONE-HOUR Western™ Advanced Kits, visit http://www.genscript.com/ip_tech.com/advanced_western_tech.html

The kits boast greater sensitivity with much less antibody. ONE-HOUR Western™ Advanced Kits contain all the necessary reagents, buffers, nitrocellulose membrane, and HRP substrate for performing a Western blot.

Comparison of two ONE-HOUR Western™ kits using polyclonal antibodies



Western blots detection of GST protein using two ONE-HOUR Western™ kits: Standard (GenScript, L00204C) and Advanced (GenScript, L00241). 10 µg and 2.5 µg of GST-tag Antibody, pAb, Rabbit (GenScript, A00097) were used to detect GST protein, respectively.

ONE-HOUR IP-Western Kits

Rapid and simple procedure to reach reproducible results

- **No Contamination**—GenScript's proprietary blocking reagents eliminate all contamination originated from antibody heavy chains, light chains, and proteins A/G.
- **Superior Sensitivity**—Comparable to or better than that of classical three-step Western blot kits. Taking the reduced background into account, the effective sensitivity of the ONE-HOUR IP-Western kits is even higher.
- **Simple Procedure**—Fewer and simpler steps than classical Western blot kits, leaving less room for human error.
- **No Secondary Antibody Required**—ONE-HOUR IP-Western Kits include GenScript's proprietary secondary antibodies, bypassing the need for any additional secondary antibodies.

IP-Western analysis frequently suffers from heavy/light chain, protein A and G contamination, particularly when the molecular weight of the target protein is close to those of the contaminants. This problem can be solved using GenScript's ONE-HOUR IP-Western Kits. This breakthrough has several significant advantages: enhanced sensitivity, elimination of background noise, and increased chances of identifying rare proteins. Like all ONE-HOUR Western™ Kits, the ONE-HOUR IP-Western Kits reduce total Western blot analysis time to about one hour.

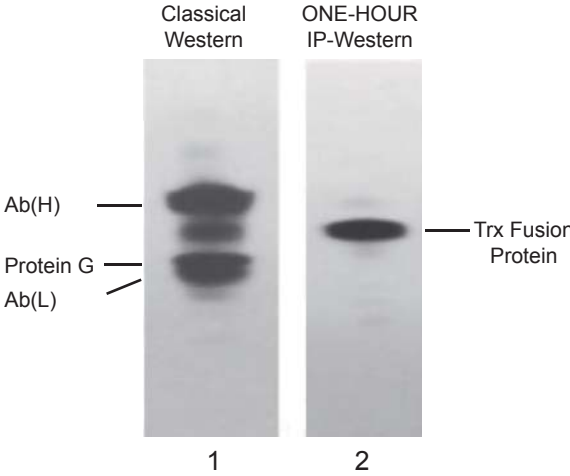
Kit Components:

Components	L00231 (Rabbit)	L00232 (Rabbit)	L00232 (Rabbit)
Pretreat A solution	100 ml	100 ml	100 ml
Pretreat B solution	100 ml	100 ml	100 ml
A&G blocker (100X)	-	1 ml	1 ml
Protein G blocker (100X)	1 ml	-	-
IP-WB 1 solution	1 ml	1 ml	1 ml
IP-WB 2 solution	1 ml	1 ml	1 ml
IP-WB 3 solution	100 ml	100 ml	100 ml
10X Wash solution	125 ml	125 ml	125 ml
WestClear™ Nitrocellulose Membrane (0.2 µm, 7.5×8 cm)	10 Sheets	10 Sheets	10 Sheets
LumiSensor™ Chemiluminescent HRP Substrate	2×30 ml	2×30 ml	2×30 ml
Protocol	1	1	1

Product Overview:

Product	Quantity	Cat. No.	Price
ONE-HOUR IP-Western Kit (Rabbit)	1 Kit (5 assays)	L00231	\$125
ONE-HOUR IP-Western Kit (Mouse)	1 Kit (5 assays)	L00232	\$125
ONE-HOUR IP-Western Kit (Goat)	1 Kit (5 assays)	L00233	\$125

For more information on ONE-HOUR IP-Western Kits, visit http://www.genscript.com/ip_western_tech.html



A Trx fusion protein was immunoprecipitated using Trx-tag Antibody, mAb, Mouse (GenScript, A00180) bound to Protein G Resin (GenScript, L00209). Trx fusion protein was then immunoblotted with the same primary antibody by using HRP-conjugated goat anti-mouse IgG (Fc specific, Sigma, A 0168) (Lane 1) and using the ONE-HOUR IP-Western Kit L00232 (Lane 2).

ONE-HOUR Western™ Fluorescent Kits

Far-less time and journal-quality Western blot

- **Strong Versatility**—Any primary antibody from any species can be used with ONE-HOUR Western™ Fluorescent Kits.
- **Superior Sensitivity**—ONE-HOUR Western™ Fluorescent Kits are more sensitive than traditional chemiluminescence methods.

GenScript's ONE-HOUR Western™ Fluorescent Kit yields journal-quality Western blot results in just one hour. Using GenScript's breakthrough immunodetection technology (patent pending), this kit replaces the classical three-step Western, allowing the membrane to be scanned on LI-COR® Odyssey® Infrared Imaging System with far less time than traditional Western blot.

Product Overview:

Product	Quantity	Cat. No.	Price
ONE-HOUR Western™ Fluorescent Kit	1 Kit (10 Assay)	L00397	\$185

For more information on ONE-HOUR Western™ Fluorescent Kits, visit http://www.genscript.com/one_step_fluorescent_western_kits.html

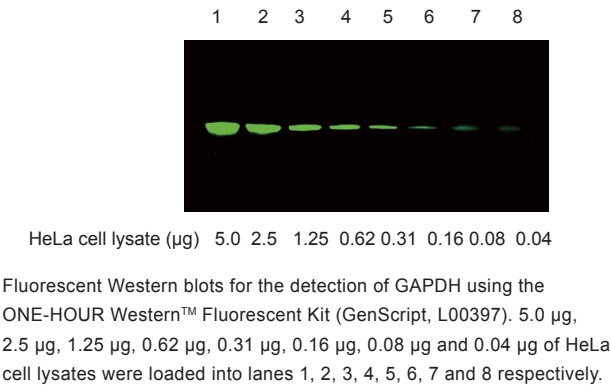
ONE-HOUR Western™ Multiplex Fluorescent Kit

Quick and clear Western analysis for multiple proteins

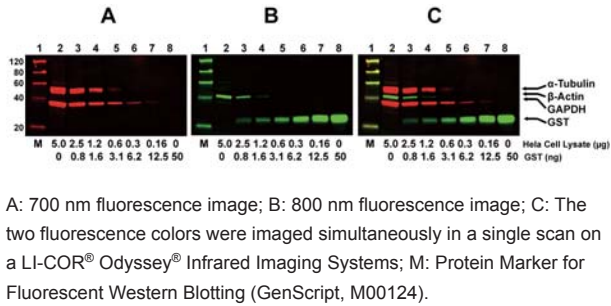
The ONE-HOUR Western™ Multiplex Fluorescent Kit is designed to deliver quick and clear Western blot analysis with high signals on low background for multiple proteins. This kit allows researchers to detect multiple antigens using multiple antibodies on the same membrane at the same time. The process includes a five-minute incubation of the membrane with the pretreated solution and 40-minute incubation with WB-M solution together with primary antibodies and corresponding fluorescent-dye-labeled secondary antibodies. After washing three times for ten minutes, the membrane can then be scanned on LI-COR® Odyssey® Infrared Imaging System.

Antigens	Primary Antibodies	Amount	Secondary Antibodies	Amount
α-Tubulin	Mouse Anti-α-Tubulin mAb (Sigma, T6074)	6 µg	IRDye® 680y Anti-Mouse	3 µg
β-Actin	Mouse Anti-β-Actin mAb (GenScript, A00702)	6 µg	IRDye® 800CW Goat Anti-Mouse	3 µg
GAPDH	GAPDH Antibody, pAb, Goat (GenScript, A00191)	4 µg	IRDye® 680 Donkey Anti-Goat	2 µg
GST	GST-tag Antibody, pAb, Rabbit (GenScript, A00097)	6 µg	IRDye® 800CW Goat Anti-Rabbit	3 µg

Fluorescent Western blot detection of GAPDH Antibody, pAb, Goat (GenScript, A00191)



Multiplex fluorescent Western detection of GAPDH using GAPDH Antibody, pAb, Goat (GenScript, A00191)



Product Overview:

Product	Quantity	Cat. No.	Price
ONE-HOUR Western™ Multiplex Fluorescent Kit	1 Kit	L00398	\$245

For more information on ONE-HOUR Western™ Multiplex Fluorescent Kit, visit http://www.genscript.com/one-step_multiplex_fluorescent_western_kit.html

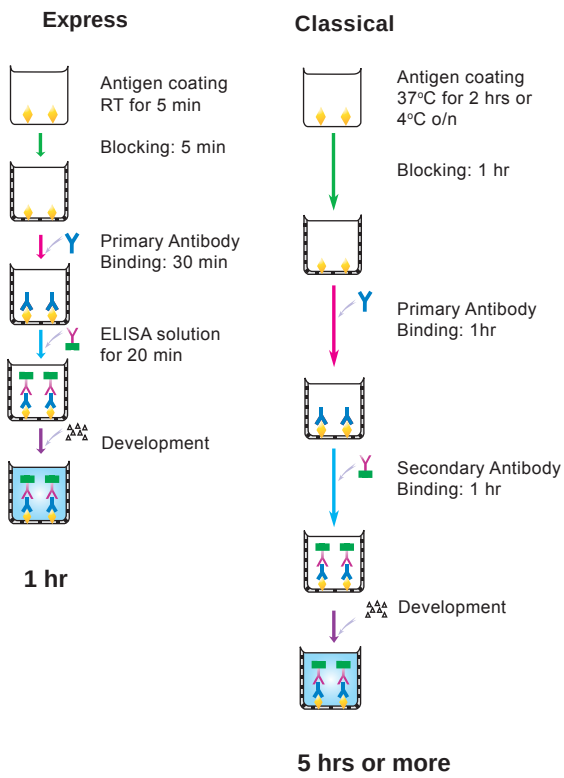
Express™ ELISA Kits

Detect any antigen with ELISA assay in one hour

- **Fast**—Cut indirect ELISA time down to one hour.
- **High Sensitivity**
- **Reproducible Results**
- **Less Optimization**

GenScript's Express™ ELISA Kits are designed to detect and quantify antigen-specific antibodies in serums and other samples using a proprietary (patent pending) one-hour indirect ELISA procedure. These kits allow users to perform a complete ELISA from antigen coating to signal development in just one hour. The kit contains all necessary reagents and buffers for performing indirect ELISA using ten 96-well plates.

Overview of Indirect ELISA Procedures



Product Overview:

Product	Quantity	Cat. No.	Price
Express™ ELISA Kit (Rabbit)	1 Kit (10 assays)	L00251	\$396
Express™ ELISA Kit (Mouse)	1 Kit (10 assays)	L00252	\$396
Express™ ELISA Kit (Goat)	1 Kit (10 assays)	L00253	\$396
Dot Blot Box (Clear)	pack of 10	M00108	\$98
Dot Blot Box (Blue)	pack of 10	M00109	\$98
Dot Blot Box (Yellow)	pack of 10	M00110	\$98
2X Coating Buffer	125 ml	M01018	\$40
20X Wash Solution	125 ml	M01016	\$69
Stop Solution	125 ml	M01017	\$25
One-Solution Microwell TMB	110 ml	M00078	\$40
Pretreat Solution (A + B)	250 ml	M01019	\$149

For more information on Express™ ELISA Kits, visit http://www.genscript.com/express_elisa_kit.html

Western QuickBlock Kits

5-minute reliable blocking for Immunoblots and ELISA

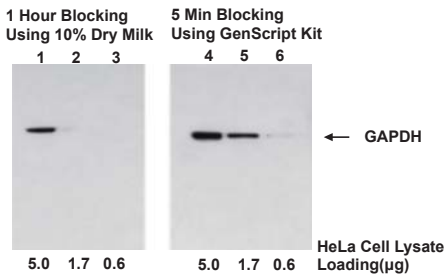
- **Fast**—Five minutes blocking of any membranes.
- **Ultra Sensitivity**—QuickBlock makes your Western detection more sensitive.
- **Ease to Perform**—We offer a quick and simple procedure.

GenScript's Western QuickBlock Kits are designed for the reliable and speedy blocking of any membranes used for Western blots. It can also be used to block any other solid

surface, such as the microtiter plates used for ELISA. Instead of the classical one-hour blocking procedure, this kit enables the complete blocking of the solid surface in just five minutes. Furthermore, the QuickBlock method has been shown to increase the sensitivity of Western detections when compared to the dry milk method, allowing the researcher to reach the same antigen detection level with less amounts of antibody.

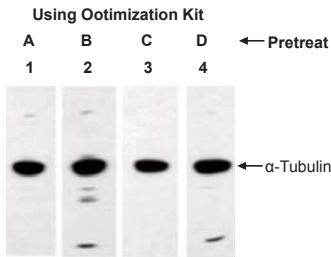
Applications	Product	Description	Quantity	Cat. No.
Blocking Reagents for Western	Western QuickBlock Kit	Quick blocking in 5 min	20 Assays	L00276
	Western QuickBlock Optimization Kit	Quick blocing optimization in few hours.	20 Assays	L00278
	Customized Western QuickBlock Kit A	Provide the best blocking regents based on the customer's requirements.	20 Assays	L00279
	Customized Western QuickBlock Kit B		20 Assays	L00280
	Customized Western QuickBlock Kit C		20 Assays	L00281
	Customized Western QuickBlock Kit D		20 Assays	L00282

Shown below is a Western blot using the Western QuickBlock Kit (GenScript, L00276)



Western blots for the detection of GAPDH protein from HeLa cell lysate using either the classical 10% dry milk blocking or the Western QuickBlock Kit. 5.0 µg, 1.7 µg, and 0.6 µg of HeLa cell lysate (BD Biosciences, #611449) were loaded in different lanes as shown in the figure. Both of the Western blots were developed with LumiSensor™ Chemiluminescent HRP Substrate (GenScript, L00221V60).

Shown below is a western blot using the Western QuickBlock Optimization Kit (GenScript, L00278)



Western blots for the detection of α-Tubulin in HeLa cell lysate by using the Western QuickBlock Optimization Kit A, B, C, and D, respectively. 10.0 µg of HeLa cell lysate (BD Biosciences, #611449) was loaded in each of the four different lanes as shown in the figure. Monoclonal anti-α-Tubulin (Mouse Ascites Fluid, Sigma, T5168) was used with the Western Optimization Kit (GenScript, L00258), which contains all the components of the Western QuickBlock Optimization Kit.

Product Overview:

Product	Quantity	Cat. No.	Price
Western QuickBlock Kit	1 Kit (20 assays)	L00276	\$175
Western QuickBlock Optimization Kit	1 Kit (20 assays)	L00278	\$195
Customized Western QuickBlock Kit A	1 Kit (20 assays)	L00279	\$175
Customized Western QuickBlock Kit B	1 Kit (20 assays)	L00280	\$175
Customized Western QuickBlock Kit C	1 Kit (20 assays)	L00281	\$175
Customized Western QuickBlock Kit D	1 Kit (20 assays)	L00282	\$175

For more information on Western QuickBlock Kits, visit http://www.genscript.com/western_quickblock_kit.html

ONE-HOUR Western™ Kit Accessories

GenScript provides a varity reagents and related products for its line of ONE-HOUR Western™ Kits and ELISA Kits, including detection substrates, solutions, and membranes.

Product Overview:

Product	Quantity	Cat. No.	Price
LumiSensor™ Plus Chemiluminescent HRP Substrate Kit	1 Kit (2×30 ml)	L00225	\$89
LumiSensor™ Chemiluminescent HRP Substrate Kit	1 Kit (2×30 ml)	L00221V60	\$55
LumiSensor™ Chemiluminescent HRP Substrate Kit	1 Kit (2×150 ml)	L00221V300	\$145
LumiSensor™ Chemiluminescent HRP Substrate Kit	1 Kit (2×250 ml)	L00221V500	\$235
ChromoSensor™ One-Solution TMB Substrate	1 pk (60 ml)	L00222V60	\$28
ChromoSensor™ One-Solution TMB Substrate	1 pk (125 ml)	L00222V125	\$39
ChromoSensor™ One-Solution TMB Substrate	1 pk (250 ml)	L00222V250	\$68
ChromoSensor™ One-Solution TMB Substrate	1 pk (500 ml)	L00222V500	\$119
10X Wash Solution	100 ml	MB01011	\$65
A&G Blocker (100 X)	1 ml	M01014	\$20
Pretreat A (100 ml) & B (100 ml)	1 pack	M01013	\$145
Stripping Solution	100 ml	M01015	\$30
Pretreat A-b solution	100 ml	M01057	\$28
LumiSensor™ Super HRP Substrate	1 Kit	L00354	\$135
Western Wash Box (Clear)	1 pack of 10	M00100	\$80
Western Wash Box (Blue)	1 pack of 10	M00101	\$80
Western Wash Box (Yellow)	1 pack of 10	M00102	\$80
Western Wash Box (Black)	1 pack of 10	M00103	\$80
Dot Blot Box (Clear)	1 pack of 10	M00108	\$98
Dot Blot Box (Blue)	1 pack of 10	M00109	\$98
Dot Blot Box (Yellow)	1 pack of 10	M00110	\$98
Western Membrane Forceps	1 pack of 10	M00099	\$50
WestClear™ Nitrocellulose Membrane	1 pk (10 sheets of 7.5 x 8 cm)	L00224A60	\$61
WestClear™ Nitrocellulose Membrane	1 pk (5 sheets of 15 x 15 cm)	L00224A225	\$76
High-Sensitivity X-Ray Film (5 X 7 inches)	20 sheets	L00358	\$60
	100 sheet		\$193

For more information on Western Accessories, visit http://www.genscript.com/western_accessories.html

Cell Lysates

GenScript provides researchers with a variety of ready-to-use cell lysates from individual cell lines for various research applications including electrophoresis, Western blot, immunoprecipitation, enzymatic activity analysis and protein-protein interaction analysis.

Product Overview:

Epitope Tag Positive Control Lysates

Product	Quantity	Cat. No.	Price
GST Lysates	100 µg	M0001	\$72
Myc Lysates	100 µg	M0002	\$72
HA lysates	100 µg	M0004	\$72
DYKDDDDK Lysates	100 µg	M0005	\$72
Multiple Tag Cell Lysate	200 µg	M0100	\$72
Multiple Tag (Purified)	200 µg	M0101	\$98

Cell Line Lysates

Product	Quantity	Cat. No.	Price
Neuro2A Lysates	100 µg	M0006	\$72
NIE115 Lysates	100 µg	M0007	\$72
SH-Sy5y Lysates	100 µg	M0008	\$72
U87MG Lysates	100 µg	M0009	\$72
TE671 Lysates	100 µg	M0010	\$72
SHEP Lysates	100 µg	M0011	\$72
ABMC1 Lysates	100 µg	M0012	\$72
IMR-90 Lysates	100 µg	M0013	\$72
MRC-5 Lysates	100 µg	M0014	\$72
WI38 Lysates	100 µg	M0015	\$72
LLC1 Lysates	100 µg	M0016	\$72
H441 Lysates	100 µg	M0017	\$72
Calu-6 Lysates	100 µg	M0018	\$72
MDA-MB-468 Lysates	100 µg	M0019	\$72
MDA-MB-231 Lysates	100 µg	M0020	\$72
MCF7 Lysates	100 µg	M0021	\$72
SW-48 Lysates	100 µg	M0022	\$72
T-47D Lysates	100 µg	M0023	\$72
Hep3B Lysates	100 µg	M0024	\$72
HepG2 Lysates	100 µg	M0025	\$72
HCT115 Lysates	100 µg	M0026	\$72
HCT116 Lysates	100 µg	M0027	\$72
HT29 Lysates	100 µg	M0028	\$72
MDCK Lysates	100 µg	M0029	\$72
Cos1 Lysates	100 µg	M0030	\$72
BOSC23 Lysates	100 µg	M0031	\$72
293 Lysates	100 µg	M0032	\$72
293T Lysates	100 µg	M0033	\$72
ABMC2 Lysates	100 µg	M0034	\$72
A2780 Lysates	100 µg	M0035	\$72
BG1 Lysates	100 µg	M0036	\$72
Skov3 Lysates	100 µg	M0037	\$72
Ovcar3 Lysates	100 µg	M0038	\$72
Ovcar5 Lysates	100 µg	M0039	\$72
Ovcar8 Lysates	100 µg	M0040	\$72
Ovcar10 Lysates	100 µg	M0041	\$72
DU145 Lysates	100 µg	M0042	\$72
HTB-81 Lysates	100 µg	M0043	\$72
PC-3 Lysates	100 µg	M0044	\$72

Product	Quantity	Cat. No.	Price
HeLa Lysates	100 µg	M0045	\$72
C33A Lysates	100 µg	M0046	\$72
SIHA Lysates	100 µg	M0047	\$72
USO2 Lysates	100 µg	M0048	\$72
U2OS Lysates	100 µg	M0049	\$72
HT1080 Lysates	100 µg	M0050	\$72
T-24 Lysates	100 µg	M0051	\$72
B16 Lysates	100 µg	M0052	\$72
MMAN Lysates	100 µg	M0053	\$72
MMRU Lysates	100 µg	M0054	\$72
SK-Mel-3 Lysates	100 µg	M0055	\$72
JEG-13 Lysates	100 µg	M0056	\$72
WEHI-274.1 Lysates	100 µg	M0057	\$72
THP1 Lysates	100 µg	M0058	\$72
CB3 Lysates	100 µg	M0059	\$72
K562 Lysates	100 µg	M0060	\$72
Jurkat Lysates	100 µg	M0061	\$72
EL-4 Lysates	100 µg	M0062	\$72
HEL Lysates	100 µg	M0063	\$72
Raji Lysates	100 µg	M0064	\$72
NIH3T3 Lytes	100 µg	M0065	\$72
Rat2 Lysates	100 µg	M0066	\$72
MES-13 Lysates	100 µg	M0067	\$72
C2C12 Lysates	100 µg	M0068	\$72
L6 Lysates	100 µg	M0069	\$72
SKMC Lysates	100 µg	M0070	\$72
HUVEC Lysates	100 µg	M0071	\$72
Y1 Lysates	100 µg	M0072	\$72
TM3 Lysates	100 µg	M0073	\$72
MDA-435 Lysates	100 µg	M0074	\$72
SK-BR3 Lysates	100 µg	M0075	\$72
A549 Lysates	100 µg	M0076	\$72
WI38 Lysates	100 µg	M0077	\$72

Related Reagents for Protein Analysis

Get fast and easy protein analysis with highest purity reagents

GenScript offers a comprehensive line of chemical products with different sizes and the highest level of purity, including amino acids, dNTPs, biological buffers, diagnostic chromogens, pharmaceuticals, quaternary ammonium salts, tetrazolium salts, and etc. We always provide solutions to every protein analysis problem with the best quality reagents at the most competitive prices.

Product Overview:

Product	Quantity	Cat. No.	Price
Tris HCl	100 g	C01650	\$9
	500 g		\$32
	5000 g		\$225
TAPS Ultra	100 g	C01648	\$77
	500 g		\$270
	5,000 g		\$1887
	25,000 g		\$6603
TAPS	100 g	C01647	\$45
	500 g		\$158
	5,000 g		\$1103
	25,000 g		\$3859
PIPES Dipotassium salt	100 g	C01646	\$79
	500 g		\$275
	5000 g		\$1,926
	25000 g		\$6,740
PIPES Sesquisodium salt	100 g	C01645	\$53
	500 g		\$186
	5000 g		\$1,303
	25000 g		\$4,562
PIPES Disodium salt	100 g	C01644	\$50
PIPES Monosodium salt	100 g	C01643	\$50
	500 g		\$176
	5000 g		\$1,230
	25000 g		\$4,305
PIPES Ultra	100 g	C01642	\$43
	500 g		\$151
	5000 g		\$1,058
	25000 g		\$3,704
PIPES	100 g	C01641	\$35
	500 g		\$123
	5000 g		\$862
	25000 g		\$3,018
MOPSO sodium salt Ultra	100 g	C01640	\$77
	500 g		\$270
	5000 g		\$1,887
	25000 g		\$6,603
MOPSO sodium salt	100 g	C01639	\$57
	500 g		\$200
	5000 g		\$1,397
	25000 g		\$4,888
MOPSO	100 g	C01638	\$38
	500 g		\$134
	5000 g		\$936
	25000 g		\$3,276
MOPS Sodium salt Ultra	100 g	C01637	\$57
	500 g		\$200
	5000 g		\$1,401
	25000 g		\$4,905

Product	Quantity	Cat. No.	Price
MOPS sodium salt	100 g	C01636	\$45
	500 g		\$158
	5000 g		\$1,103
	25000 g		\$3,859
MOPS hemisodium salt	100 g	C01635	\$56
	500 g		\$197
	5000 g		\$1,382
	25000 g		\$4,836
PS	100 g	C01633	\$36
	500 g		\$127
	5000 g		\$892
	25000 g		\$3,121
HEPPS	100 g	C01626	\$52
	500 g		\$181
	5000 g		\$1,264
	25000 g		\$4,425
HEPES Sodium salt Ultra	100 g	C01625	\$76
	500 g		\$267
	5000 g		\$1,872
	25000 g		\$6,551
HEPES Sodium salt	100 g	C01624	\$45
	500 g		\$158
	5000 g		\$1,103
	25000 g		\$3,859
HEPES hemisodium salt	500 g	C01623	\$158
	5000 g		\$1,103
HEPBS	25000 g	C01620	\$3,859
	100 g		\$58
	500 g		\$1,156
	5000 g		\$8,095
CHES Ultra	25000 g	C01619	\$28,332
	500 g		\$204
	5000 g		\$1,426
	25000 g		\$4,991
CHES	100 g	C01618	\$38
	500 g		\$134
	5000 g		\$941
	25000 g		\$3,293
CAPSO Sodium salt	100 g	C01617	\$75
	500 g		\$261
	5000 g		\$1,828
	25000 g		\$6,397
CAPSO Ultra	100 g	C01616	\$73
	500 g		\$256
	5000 g		\$1,789
CAPS	100 g	C01613	\$132
	5000 g		\$921
	25000 g		\$3,224
BES Ultra	100 g	C01612	\$99
	500 g		\$346
	5000 g		\$2,421
	25000 g		\$8,472
BES	100 g	C01611	\$49
	500 g		\$171
	5000 g		\$1,196
	25000 g		\$4,185

Product Overview:

Product	Quantity	Cat. No.	Price
ADA Disodium salt	100 g	C01608	\$54
	500 g		\$190
	5000 g		\$1,328
	25000 g		\$4,648
ADA Monosodium salt	100 g	C01607	\$54
	500 g		\$190
	5000 g		\$1,328
	25000 g		\$4,648
ADA Ultra	100 g	C01606	\$76
	500 g		\$267
	5000 g		\$1,872
	25000 g		\$6,551
ADA	100 g	C01605	\$37
	500 g		\$130
	5000 g		\$907
	25000 g		\$3,173

Immunology Reagents

GenScript provides a broad range of immunology reagents that are widely used in diagnostic assays and biochemical examinations. Please select the high quality reagents for your immunology experiment from the following lists. .

Product Overview:

Product	Quantity	Cat. No.	Price
One-Solution Microwell TMB	110 ml	M00078	\$40
Biotin-Protein A	2 mg	M00095	\$80
Biotin-Protein G	1 mg	M00096	\$98
Biotin-Protein L	1 mg	M00097	\$98
Coating Stabilizer	500 ml	M00085	\$135
HRP-Protein A	1 mg	M00089	\$55
HRP-Protein G	1 mg	M00090	\$75
HRP-Protein L	1 mg	M00098	\$95
Lyophilization Stabilizer	5 ml	M00084	\$55
Lyophilization Stabilizer	25 ml	M00084	\$195
Streptavidin-HRP	1 mg	M00091	\$89

Product	Cas. No.	Purity	Quantity	Cat. No.	Price
ADOS	82692-96-4	≥99%	10 g	C01592	\$292
			100 g		\$2,480
			500 g		\$9,921
ADPS	82611-88-9	≥99%	10 g	C01591	\$216
			100 g		\$1,840
			500 g		\$7,359
ALPS	82611-85-6	≥99%	10 g	C01600	\$220
			100 g		\$1,870
			500 g		\$7,480
DAOS	83777-30-4	≥99%	10 g	C01595	\$292
			100 g		\$2,483
			500 g		\$9,933

Product	Cas. No.	Purity	Quantity	Cat. No.	Price
DTNB	69-78-3	≥99%	10 g	C01604	\$164
			100 g		\$1,396
			500 g		\$5,583
HDAOS	82692-88-4	≥99%	10 g	C01596	\$302
			100 g		\$2,571
			500 g		\$10,282
MADB	209518-16-1	≥99%	10 g	C01597	\$374
			100 g		\$3,181
			500 g		\$12,723
MAOS	82692-97-5	≥99%	10 g	C01598	\$266
			100 g		\$2,261
			500 g		\$9,044
TBHBA	14348-40-4	≥99%	10 g	C01590	\$167
			100 g		\$1,421
			500 g		\$5,685
TMB	54827-17-7	≥99%	10 g	C01601	\$243
			100 g		\$2,066
			500 g		\$8,262
TMB HCl	64285-73-0	≥99%	10 g	C01602	\$243
			100 g		\$2,066
			500 g		\$8,262
TODB	NA	≥99%	10 g	C01599	\$374
			100 g		\$3,181
			500 g		\$12,723
TOOS	82692-93-1	≥99%	10 g	C01594	\$195
			100 g		\$1,660
			500 g		\$6,640
TOPS	40567-80-4	≥99%	10 g	C01593	\$197
			100 g		\$1,677
			500 g		\$6,706

Catalog Proteins

Cytokines & Growth Factors

Cytokines, a category of immunoactive proteins, act as humoral regulators which modulate the functional activities of individual cells and tissues at nano to picomolar concentrations either under normal or pathological conditions. The cytokine family consists mainly of smaller, water-soluble proteins and glycoproteins with molecular mass between 8 and 30 kDa, including haemopoietin, interleukin, interferon, epidermal growth factor, tumor necrosis factor, transforming growth factor, chemokine, and others that are secreted by the cells of immune

system to regulate immune response. Growth factors typically act as signaling molecules between cells which play an important role in regulating a variety of cellular processes.

GenScript offers a comprehensive package of cytokine and growth factor products which facilitate scientists' researching activities. It provides the scientists a quick and easy access to these proteins to accelerate the biology and medical research.

Product Overview:

Product	Quantity	Cat. No.	Price
Bone Morphogenetic Protein (BMP)-2, human	10 µg	Z00327	\$95
	50 µg		\$237
	1 mg		\$1,185
CD40 (CD154) Ligand/TRAP, human	10 µg	Z02022	\$50
	50 µg		\$130
	1 mg		\$800
Epidermal Growth Factor (EGF), human	10 µg	Z00333	\$26
	50 µg		\$80
	1 mg		\$180
Fibroblast Growth Factor (FGF)-acidic, mouse	10 µg	Z02053	\$52
	50 µg		\$129
Fibroblast Growth Factor (FGF)-basic, human	10 µg	Z00339	\$70
Fibroblast Growth Factor (FGF)-basic, mouse	10 µg	Z02054	\$52
	50 µg		\$129
Glucagon-Like Peptide (GLP)-1, human	50 µg	Z00212	\$180
Granulocyte Colony Stimulating Factor (G-CSF), human	10 µg	Z00342	\$91
	50 µg		\$320
	1 mg		\$1,600
Granulocyte Macrophage Colony Stimulating Factor	10 µg	Z00349	\$91
	50 µg		\$320
	1 mg		\$1,600
(GM-CSF), human	10 µg	Z02190	\$100
	50 µg		\$320
	1 mg		\$1,800
(GM-CSF), <i>P. Pichia</i> Derived (Sargramostim), human	10 µg	Z02019	\$130
	50 µg		\$480
	1 mg		\$2,400
Human Serum Albumin and Interferon (HSA-IFN)-α 2b	10 µg	Z02019	\$130
	50 µg		\$480
	1 mg		\$2,400
Insulin Like Growth Factor (IGF)-1 (4-70), human	10 µg	Z02187	\$26
	50 µg		\$80
	1 mg		\$480
Insulin-Like Growth Factor (IGF)-1, human	10 µg	Z00362	\$26
	50 µg		\$80
	1 mg		\$480
Interferon (IFN)-α 2a, human	10 µg	Z00358	\$26
	50 µg		\$80
	1 mg		\$480
Interferon (IFN)-α 2b, human	10 µg	Z00353	\$26
	50 µg		\$80
	1 mg		\$480
Interferon(IFN)-γ, human	10 µg	Z00357	\$39
	50 µg		\$105
	1 mg		\$500

Product	Quantity	Cat. No.	Price
Interleukin (IL)-1 Receptor Antagonist, human	10 µg	Z00367	\$91
	50 µg		\$300
	1 mg		\$1,600
Interleukin (IL)-10, mouse	10 µg	Z02036	\$125
	50 µg		\$390
	1 mg		\$2,000
Interleukin (IL)-11, human	10 µg	Z00375	\$91
	50 µg		\$320
	1 mg		\$1,600
Interleukin (IL)-15, human	10 µg	Z00377	\$91
	50 µg		\$320
	1 mg		\$1,600
Interleukin (IL)-16, human	10 µg	Z02196	\$130
	50 µg		\$400
	1 mg		\$2,400
Interleukin (IL)-17, human	10 µg	Z02061	\$75
	50 µg		\$250
	1 mg		\$2,300
Interleukin (IL)-1α, mouse	10 µg	Z02193	\$130
	50 µg		\$390
	1 mg		\$2,340
Interleukin (IL)-1β, mouse	10 µg	Z02194	\$130
	50 µg		\$390
	1 mg		\$2,340
Interleukin (IL)-2, human	10 µg	Z00368	\$39
	50 µg		\$130
	1 mg		\$500
Interleukin (IL)-22, mouse	10 µg	Z02197	\$130
	50 µg		\$400
	1 mg		\$2,400
Interleukin (IL)-6, human	10 µg	Z00372	\$91
	50 µg		\$300
	1 mg		\$1,600
Interleukin (IL)-8 (3-79), human	10 µg	Z02189	\$91
	50 µg		\$230
	1 mg		\$1,600
Interleukin (IL)-8 (8-79), human	10 µg	Z02195	\$52
	50 µg		\$130
	1 mg		\$800
Leukemia Inhibitory Factor (LIF), human	10 µg	Z00384	\$140
	50 µg		\$400
	1 mg		\$3,120
Long Arg ³ Insulin-like Growth Factor-I (Long-R ³ -IGF-I) (Media Grade), human	10 µg	Z02191	\$130
	50 µg		\$800
	1 mg		\$3,250
Long Arg ³ Insulin-like Growth Factor-I (Long-R ³ -IGF-I) (Receptor Grade), human	10 µg	Z02188	\$26
	50 µg		\$80
	1 mg		\$480
Macrophage Colony Stimulating Factor (M-CSF), human	100 µg	Z02001	\$340
	1 mg		\$3,000
Pegylated Granulocyte Colony Stimulating Factor (PEG-G-CSF), human	10 µg	Z00393	\$170
	50 µg		\$640
	1 mg		\$3,200

Product Overview:

Product	Quantity	Cat. No.	Price
Pegylated Interferon-α 2b, human	10 µg	Z02020	\$221
	50 µg		\$640
	1 mg		\$3,600
Stem Cell Factor (SCF), human	10 µg	Z00400	\$91
	50 µg		\$320
	1 mg		\$1,600
Tumor Necrosis Factor (TNF)-α, human	10 µg	Z01001	\$52
	50 µg		\$129
	1 mg		\$1,050
Tumor Necrosis Factor (TNF)-α, murine	5 µg	Z00414	\$70
Tumor Necrosis Factor alpha (TNF)-α (mutant), human	10 µg	Z00404	\$91
	50 µg		\$260
	1 mg		\$1,560
Vascular Endothelial Growth Inhibitor (VEGI), human	10 µg	Z02198	\$129
	50 µg		\$800

Kinases

Kinases play important roles in cellular signaling pathways and various other complex processes involving phosphorylation. The dysregulation of kinases is often associated with pathogenic pathways of many diseases, such as cancer, inflammatory diseases, neural disorders, and many metabolic disorders. Protein kinases have extraordinary potential as drug targets.

GenScript provides a series of kinases aiming to accelerate your drug discovery processes involving kinase targets. GenScript continuously offers new kinases to meet your research needs.

Product Overview:

Product	Quantity	Cat. No.	Price
Urokinase, human	100 µg	Z00054	\$80
Enterokinase, Light Chain, Porcine	100 IU	Z01003	\$80
Proteinase K	100 mg	Z02003	\$78
Porcine Enterokinase, Lyophilized	100 IU	Z02199	\$80
PKCα	20 µg	Z02204	\$299
SRC	20 µg	Z02205	\$299
AKT1	20 µg	Z02206	\$299
ACK1	20 µg	Z02207	\$299
CAMKK1	20 µg	Z02208	\$299
cAMP-dependent protein kinase catalytic subunit alpha isoform 1	20 µg	Z02213	\$299
AMPK (A1/B1/G1), Active (Mammalian Expression System)	5 µg	Z02513	\$495
	50 µg		\$2,970
AMPK (A1/B1/G2), Active (Mammalian Expression System)	5 µg	Z02514	\$495
	50 µg		\$2,970
AMPK (A1/B2/G1), Active (Mammalian Expression System)	5 µg	Z02516	\$495
	50 µg		\$2,970
AMPK(A2/B1/G1), Active (Mammalian Expression System)	5 µg	Z02519	\$495
	50 µg		\$2,970
AMPK (A2/B1/G2), Active (Mammalian Expression System)	5 µg	Z02520	\$495
	50 µg		\$2,970
AMPK (A2/B2/G1), Active (Mammalian Expression System)	5 µg	Z02522	\$495
	50 µg		\$2,970

Enzymes & Inhibitors

Enzymes which serve a variety of functions inside living organisms are widely used in academic research and industrial production. Almost all processes in a biological cell require the presence of enzymes to occur at significant rates. Through years of experiences in satisfying customers' needs in the constantly changing technological fields, GenScript has

developed many widely-used enzyme products. GenScript's comprehensive line of enzymes includes protein modifying enzyme, DNA modifying enzyme and RNA modifying enzyme.

Product Overview:

Product	Quantity	Cat. No.	Price
Porcine Enterokinase, Lyophilized	100 IU	Z02199	\$80
Ribonuclease Inhibitor	2,000 U	Z02041	\$43
Moloney Murine Leukemia Virus (M-MLV) Reverse Transcriptase (RNase H-)	10,000 U	Z02040	\$59
Glutathione S-Transferase (GST), <i>Schistosoma japonicum</i>	1 mg	Z02039	\$70
Hercules Endonuclease	25,000 U	Z02038	\$130
Moloney Murine Leukemia Virus (M-MLV) Reverse Transcriptase	10,000 U	Z02032	\$39
Proteinase K	100 mg	Z02003	\$78
Enterokinase, Light Chain, Porcine	100 IU	Z01003	\$80
Urokinase, human	100 µg	Z00054	\$80

Hormones

Hormones are produced by specialized glands, act as a chemical messenger that transports a signal from one cell to another, and they can function at sites away from their releasing locations.

Product Overview:

Product	Quantity	Cat. No.	Price
Growth Hormone (GH), mouse	10 µg	Z02192	\$78
	50 µg		\$200
	1 mg		\$1,300
Parathyroid Hormone (PTH) (1-84 PTH), human	10 µg	Z02021	\$39
	50 µg		\$129
	1 mg		\$800
Glucagon-Like Peptide (GLP)-1, human	10 µg	Z00212	\$70

Virus Antigens

GenScript provides a comprehensive array of high purity and high stability virus antigens, including Cytomegalovirus, Epstein-Barr virus, Hepatitis A/.../E virus, Herpes Simplex virus, HIV, Human T-Lymphocyte virus, Rubella virus, SARS virus,

Varicella Zoster virus, and so on. All these proteins serve as excellent antigens in ELISA, Western Blots and in the rapid detection of relative virus seroconverters with minimal specificity problems.

Product Overview:

Product	Quantity	Cat. No.	Price
Epstein-Barr Virus (HHV-4) EA Protein, Recombinant	1 mg	Z02031	\$1,000
Epstein-Barr Virus (HHV-4) mosaic EBNA2 Protein, Recombinant	1 mg	Z02030	\$1,000
CMV Pp150 (UL32), CytomegaloVirus Antigen, Recombinant	1 mg	Z02027	\$1,000
CMV Pp28 (UL99), CytomegaloVirus Antigen, Recombinant	1 mg	Z02026	\$1,000
SARS-Associated Coronavirus Spike mosaic S (N)	1 mg	Z02025	\$1,000
SARS-Associated Coronavirus Nucleocapsid (1-49/192-220)	1 mg	Z02024	\$1,000
Combined Hepatitis C Virus (HCV)	1 mg	Z02018	\$1,000
SARS-Associated Coronavirus E	1 mg	Z02017	\$1,000
SARS-Associated Coronavirus M	1 mg	Z02016	\$1,000
Hepatitis E Virus (HEV) ORF2/ORF3	1 mg	Z02015	\$1,000
Human Immunodeficiency Virus (HIV)-1, 2 Envelope	1 mg	Z02014	\$1,300
Human Immunodeficiency Virus (HIV) Type O Envelope (synthetic)	1 mg	Z02013	\$150
Human Immunodeficiency Virus (HIV)-2 gp36 Envelope (synthetic)	1 mg	Z02012	\$150
Human Immunodeficiency Virus (HIV)-2 gp36 Envelope	1 mg	Z02011	\$1,000
Human Immunodeficiency Virus (HIV)-1 Envelope	1 mg	Z02010	\$1,000
HIV-1 p24 Core, Human Immunodeficiency Virus Antigen, Recombinant	1 mg	Z00150	\$1,000
HCV NS5 (2061-2302), Hepatitis C Virus Antigen, Recombinant	1 mg	Z00102	\$1,000
HCV NS3 Subtype 2c, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00069	\$1,000
HCV NS3 Subtype 2b, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00068	\$1,000
HCV NS3 Subtype 1c, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00065	\$1,000
HSV-2 gG, Herpes Simplex Virus Antigen, Recombinant	1 mg	Z00061	\$1,000
HSV-2 gD, Herpes Simplex Virus Antigen, Recombinant	1 mg	Z00060	\$1,000
HSV-1 gG, Herpes Simplex Virus Antigen, Recombinant	1 mg	Z00059	\$1,000
HSV-1 gD, Herpes Simplex Virus Antigen, Recombinant	1 mg	Z00058	\$1,000
Hepatitis C Virus (HCV) NS3	1 mg	Z00042	\$1,000
HBV HBe, Hepatitis B Virus Antigen, Recombinant	1 mg	Z00031	\$1,000
HBV Core, Hepatitis B Virus Antigen, Recombinant	1 mg	Z00029	\$1,000
VZV ORF9, Varicella Zoster Virus Antigen, Recombinant	1 mg	Z00013	\$1,000
CMV Pp65 (UL83), CytomegaloVirus Antigen, Recombinant	1 mg	Z00010	\$1,000
CMV Pp38 (UL80a), CytomegaloVirus Antigen, Recombinant	1 mg	Z00008	\$1,000
Hepatitis A Virus (HAV) VP3	1 mg	Z00005	\$1,000
VZV ORF26, Varicella Zoster Virus Antigen, Recombinant	1 mg	Z00014	\$1,000
Epstein-Barr Virus (HHV)-4 p23 Protein, Recombinant	1 mg	Z00018	\$1,000
HAV P2C, Hepatitis A Virus Antigen, Recombinant	1 mg	Z00022	\$1,000
HAV P2C-P3A, Hepatitis A Virus Antigen, Recombinant	1 mg	Z00023	\$1,000
HAV P3C, Hepatitis A Virus Antigen, Recombinant	1 mg	Z00024	\$1,000
HAV VP1, Hepatitis A Virus Antigen, Recombinant	1 mg	Z00025	\$1,000
Hepatitis A Virus (HAV) VP1-P2A	1 mg	Z00026	\$420
HAV VP4-VP2, Hepatitis A Virus Antigen, Recombinant	1 mg	Z00028	\$1,000
SARS-Associated Coronavirus Spike Mosaic S (C)	1 mg	Z00030	\$1,000
HDV, Hepatitis D Virus Antigen, Recombinant	1 mg	Z00032	\$1,000
HEV ORF2, Hepatitis E Virus Antigen, Recombinant	1 mg	Z00033	\$1,000
SARS-Associated Coronavirus Nucleocapsid (1-49)	1 mg	Z00037	\$1,000
SARS-Associated Coronavirus Nucleocapsid (340-390)	1 mg	Z00039	\$1,000
SARS-Associated Coronavirus Spike Mosaic S (M)	1 mg	Z00041	\$1,000
HCV NS3 Subtype 5a, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00076	\$1,000

Product Overview:

Product	Quantity	Cat. No.	Price
HCV NS3 Subtype 6a, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00080	\$1,000
HCV NS4 a+b (1658-1863), Hepatitis C Virus Antigen, Recombinant	1 mg	Z00081	\$1,300
HCV NS5 Genotype 1, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00100	\$420
HCV NS5 Genotype 2, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00107	\$1,000
HCV NS5 Genotype 3, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00108	\$1,000
HCV NS5 Genotype 6, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00109	\$1,000
HCV NS5 Genotype 5, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00110	\$1,000
HCV NS5 Genotype 4, Hepatitis C Virus Antigen, Recombinant	100 µg	Z00111	\$735
	500 µg		\$210
HCV Nucleocapsid Genotype 1, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00130	\$1,000
HCV Nucleocapsid Genotype 6a, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00133	\$1,000
HCV Nucleocapsid Genotype 5, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00134	\$1,000
HCV Nucleocapsid Genotype 4, Hepatitis C Virus Antigen, Recombinant	1 mg	Z00135	\$1,000
HTLV-1 p24 Core, Human T-Lymphocyte Virus Antigen, Recombinant	1 mg	Z00145	\$1,000
HTLV-1 Envelope, Human T-Lymphocyte Virus Antigen, Recombinant	1 mg	Z00147	\$1,000
Rubella Virus Capsid C	1 mg	Z00167	\$1,000
Rubella Virus E1 Mosaic	1 mg	Z00176	\$1,000
Rubella Virus E2	1 mg	Z00177	\$1,000

Other Catalog Proteins

Product Overview:

Product	Quantity	Cat. No.	Price
T4 Gene 32 Protein	100 µg	Z02042	\$39
Purified Protein A	10 mg	Z02201	\$79
	50 mg		\$350
	500 mg		\$2,500
Streptavidin	5 mg	Z02043	\$150
Protein G	5 mg	Z02007	\$125

 For more information on Catalog Proteins, visit http://www.genscript.com/protein_list.html

Custom Protein Services

GenScript takes your project directly from gene synthesis to protein production! Our free rare codon analysis tool can determine whether your gene sequence is optimal, and at the same time explore means to boost your target protein expression.

Services List

Bacterial Protein Expression

GenScript has developed BacPower™ technologies to tackle hard-to-express and hard-to-dissolve proteins. Guaranteed delivery of 3 mg purified soluble protein, starting at only \$2,200. From gene sythesis to protein expression and purification, starting at \$2,990, guaranted 10 mg purified protein.

Yeast Protein Expression

GenScript's proprietary YeastHIGH™ technology combines all the advantages of bacterial and eukaryotic expression systems. Our yeast expression system employs stable and durable production strains that resemble mammalian protein processing.

Baculovirus/Insect Cell Protein Expression

GenScript has pioneered secretion methods for recombinant proteins om baculovirus-infected insect cells. With a capacity of producing proteins in large quantities up to 100 liters per project, GenScript services suit to not only academic institutions but also pharmaceutical and biotechnology industries.

Mammalian Cell Protein Expression

GenScript's proprietary 293 and CHO suspension system platform promotes fast production and delivery of recombinant proteins and monoclonal antibodies up to grams level.

Large-scale Protein Production Service

On top of large-scale purification service, our versatile and reliable protein expression system, which includes fermentors, WAVE Mixer™, and bioreactors, allows GenScript to provide proteins in gram levels to its clients in both public and private research sectors, academia, and all levels of the pharmaceutical industry.

Protein Purification and Characterization

GenScript offers several methods for protein purification and characterization. We deliver proteins in different purity levels, allowing customers to choose the ideal level of purity for their intended downstream applications.

Competitive Advantages

Optimum Gene™ codon optimization technology for gene expression

GenScript's advanced Optimum Gene™ codon optimization technology can optimize your gene sequence for highest possible level of gene expression and protein solubility. In addition, OptimumGene™ algorithm optimizes a variety of parameters that are critical to transcription, translation, and protein folding.

Extensive recombinant protein production experience

We have delivered thousands of difficult proteins including trans-membrane proteins, secreted proteins, proteases, and other enzymes at a success rate greater than 90%.

BacPower™ technology and FoldArt™ protein refolding technology

Hard-to-express and hard-to-dissolve proteins are specifically tackled by our proprietary BacPower™ technology and FoldArt™ protein refolding technology.

Comprehensive services

GenScript provides a directional streamlined service platform that delivers projects directly from gene synthesis, to protein expression, and further to stable cell line generation, antibody production, and assay development.

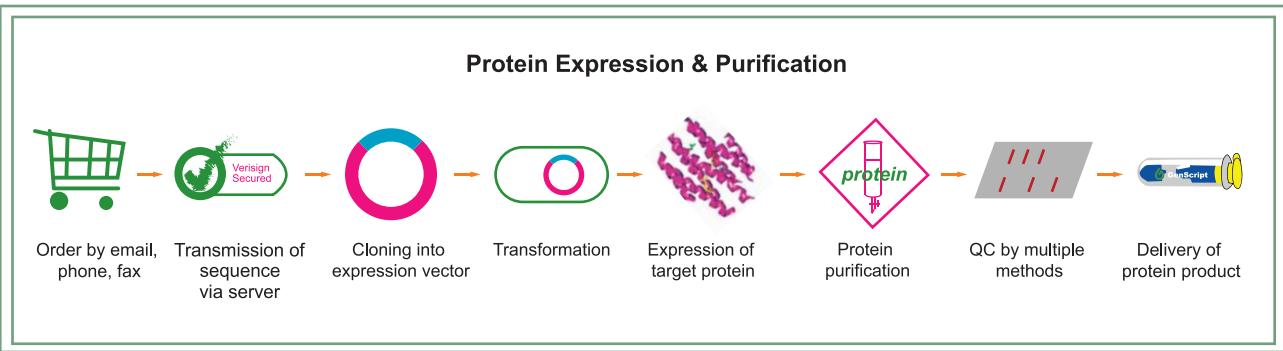
High quality services

GenScript provides high quality protein expression services to meet your stringent requirements. We strive to produce high purity, high activity proteins in a timely fashion. The purity level of our deliverables has been over 95% with endotoxin level lower than 0.01 EU/μg.

Applications

GenScript has years of experience in protein expression and purification. Combining our expert specialists with industry leading technology and state-of-the-art facilities, we are ready to deliver projects involving any expression system, construct, or purification procedure for your individual needs.

- Target validation
- Enzyme characterization
- High-throughput screening
- Antibody production
- Structural biology studies
- Eukaryotic protein analysis
- NMR studies with isotope-labeled proteins
- SAR (Structure-activity relationships)
- Animal feed production
- Environmental engineering



Quotations and Ordering

Quotations and orders may be placed by email, phone, or fax with either a formal PO (Purchase Order) or credit card. Please choose the most convenient ordering method.

	Quotation Form: Obtainable on our website
	Email: protein@genscript.com
	Phone: 1-877-436-7274 (Toll-Free); 1-732-885-9188
	Fax: 1-732-210-0262; 1-732-885-5878
	Secured Web Server: https://www.genscript.com/ssl-bin/secure_data



Chapter 4 Antibodies

THE™ Elite Antibodies	75
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Custom Antibody Services	180

Overview

Reliable and well-selected antibodies are among the most effective tools available to researchers when it comes to identifying and locating specific proteins. Increasingly, antibodies have been employed to directly diagnose and treat diseases. GenScript provides a broad range of high-quality antibodies, including THE™ Elite Antibodies, Phospho-specific Antibodies, and *etc.*, that can be applied to all areas in biological research and drug discovery.

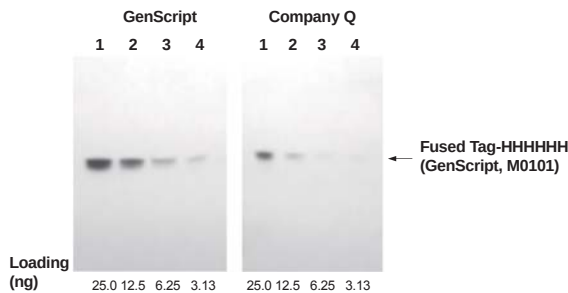
THE™ Elite Antibodies

The most precise and effective antibodies

- **Ultra Sensitivity**—More sensitive than most popular antibodies in the market
- **Ultra Specificity**—No cross-reactivity
- **Ultra Affinity**—Ultra-low dissociation constant Kd
- **Ultra Reactivity**—Recognize and bind even partially exposed terminal and internal tags
- **Ultra Clear Background**
- **Ultra Convenience**—No secondary antibody needed for conjugated antibodies
- **Ultra Stability**—Stable in lyophilized form for at least two years

THE™ Elite Antibody series are the most precise and effective antibodies that meet the most demanding research requirements.

Western blot of 6×His-tagged proteins detected with THE™ anti-His mAb



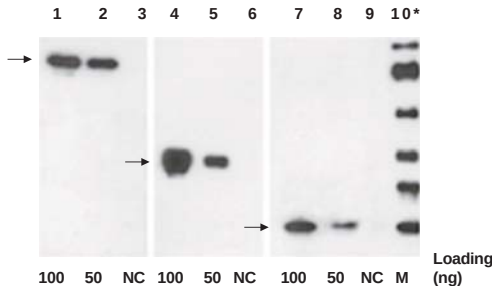
Lane1-4: 25 ng, 12.5 ng, 6.25 ng, 3.13 ng Multiple tag protein (GenScript, M0101), respectively
Primary antibody: THE™ Anti-His-tag Monoclonal Antibody (Mouse) (GenScript, A00186)
Sencodary antibody: Goat Anti-Mouse IgG (H&L) [HRP] Polyclonal Antibody (GenScript, A00160, 1:10,000)

THE™ Elite antibody series are the most precise and effective antibodies that meet the most demanding research requirements. MiniFresh® antibodies have been launched as the trial size package and sold for \$50 to reduce your research cost. Simply determine your needs and choose the best match. Our antibodies are thoroughly tested to ensure the highest level of purity and quality.

THE™ stands for THE unmistakable, THE irreplaceable, and THE best quality in the industry. To produce THE™ elite antibodies, the most productive and stable hybridoma cell clones were selected. THE™ elite antibodies are then isolated from the cell lines that show the highest specificity against the corresponding immunogens.

Are you concerned about small samples, partially exposed tags, fusion-protein denaturation, or any other obstacles? Order GenScript's THE™ Elite antibodies, and you are on your way to solve the problems you encounter in your research.

Western blot detection for different His-fusion proteins with THE™ anti-His mAb



Lane 1-2: 100 ng and 50 ng C-terminal His-fusion protein
Lane 4-5: 100 ng and 50 ng N-terminal His-fusion protein
Lane 7-8: 100 ng and 50 ng internal His-fusion protein
Lane 3, 6, 9: Negative control
Lane 10: Smart His-tagged Protein Standard (GenScript, MM0904)
Primary antibody: THE™ Anti-His-tag Monoclonal Antibody (Mouse) (GenScript, A00186)
Secondary Antibody: Goat Anti-Mouse IgG (H&L) [HRP] Polyclonal Antibody (GenScript, A00160, 1:10,000)

Product Overview:

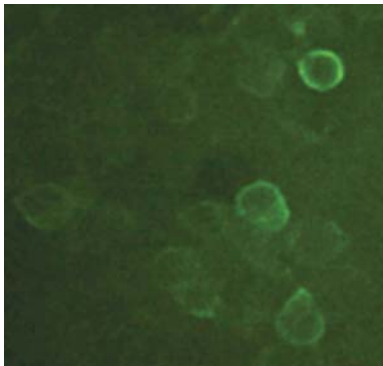
Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
THE™ Anti-c-Myc-tag [Biotin] mAb (Mouse)	ELISA, WB, IF, IP	NA	40 µg	A00864	\$74
			200 µg		\$333
THE™ Anti-c-Myc-tag [HRP] mAb (Mouse)	ELISA, WB, IF, IP	NA	40 µg	A00863	\$74
			200 µg		\$333
THE™ Anti-c-Myc-tag mAb (Mouse)	ELISA, WB, IF, IP	NA	40 µg	A00704	\$69
			200 µg		\$311
THE™ Anti-GST-tag [HRP] mAb (Mouse)	ELISA, WB, IP	NA	40 µg	A00866	\$74
			200 µg		\$333
THE™ Anti-GST-tag mAb (Mouse)	ELISA, WB, IP	NA	40 µg	A00865	\$69
			200 µg		\$311
			500 µg		\$750
THE™ Anti-GST-tag [Biotin] mAb (Mouse)	ELISA, WB, IP	NA	40 µg	A00867	\$74
			200 µg		\$333
THE™ Anti-HA-tag [Biotin] mAb (Mouse)	ELISA, WB	NA	100 µg	A01297	\$335
THE™ Anti-HA-tag [HRP] mAb (Mouse)	ELISA, WB	NA	100 µg	A01296	\$335
THE™ Anti-HA-tag mAb (Mouse)	ELISA, WB, IP	NA	100 µg	A01244	\$330
THE™ Anti-His-tag [Biotin] mAb	ELISA, WB	NA	100 µg	A00613	\$410
THE™ Anti-His-tag [HRP] mAb	ELISA, WB	NA	100 µg	A00612	\$410
THE™ Anti-His-tag mAb	ELISA, WB, IF, FACS, IP	NA	100 µg	A00186	\$375
THE™ Anti-α-tubulin mAb	ELISA, WB	NA	100 µg	A01410	\$225
			40 µg		\$74
THE™ Anti-β-actin [HRP] mAb (Mouse)	ELISA, WB	NA	200 µg	A00730	\$333
			40 µg		\$69
THE™ Anti-β-actin mAb (Mouse)	ELISA, WB	Mouse, rabbit, chicken, human, goat, fish, <i>ect.</i>	200 µg	A00702	\$311
THE™ Mouse Anti-DYKDDDDK mAb	ELISA, WB, IP	NA	100 µg	A00187	\$330
THE™ Mouse Anti-DYKDDDDK mAb (Biotin)	ELISA, WB, IP	NA	100 µg	A01429	\$335
THE™ Mouse Anti-DYKDDDDK mAb (HRP)	ELISA, WB, IP	NA	100 µg	A01428	\$335

NA: Not Available.

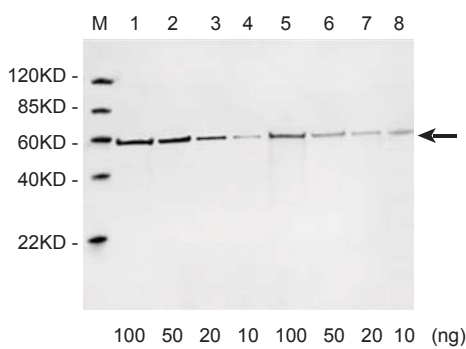
For more information on THE™ Elite Antibodies, visit http://www.genscript.com/THE_antibody.html

MiniFresh® Antibodies

GenScript provides small-package antibodies to keep your options open and your supplies fresh. In addition of achieving extraordinary performance, all MiniFresh® antibodies are sold for \$50 to help you reduce your research cost.



Immunofluorescent analysis of HEK293 cells transfected with Flag-tagged CD4 protein using DYKDDDDK-tag Antibody (GenScript, A00170, 10 µg/ml)



Western blot analysis of DYKDDDDK tagged fusion proteins expressed in *E. coli* cell lysate using DYKDDDDK Antibody, pAb, Rabbit (GenScript, A00170, 1 µg/ml)

Lane M: EasyWestern Protein Standard (GenScript, Cat. No. MM0908)
Lane 1-4: Using C-terminal DYKDDDDK-tagged fusion protein as antigens
Lane 5-8: Using N-terminal DYKDDDDK-tagged fusion protein as antigens
The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.

Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
14-3-3 ζ Antibody (Ab-58), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00662	\$50
4E-BP1 Antibody (Ab-36), pAb, Rabbit	WB, IHC	Human	40 µg	A00460	\$50
4E-BP1 Antibody (Ab-45), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00461	\$50
58K Golgi protein Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01433	\$50
5HT2A Receptor Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A01177	\$50
5HT3A Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01210	\$50
5HT5A Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01209	\$50
ABL1/2 Antibody (Ab-393/429), pAb, Rabbit	IHC,IF	Human	40 µg	A01262	\$50
ADAM9 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A01313	\$50
ADD1 Antibody (Ab-726), pAb, Rabbit	WB, IHC,IF	Human	40 µg	A00925	\$50
AFX Antibody (Ab-197), pAb, Rabbit	WB, IHC	Human	40 µg	A00445	\$50
AHA1 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01197	\$50
AHA1 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01245	\$50

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
AHA1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A01278	\$50
AKR1C2 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A01054	\$50
Akt Antibody (Ab-308), pAb, Rabbit	WB, IHC	Human	40 µg	A00304	\$50
Akt Antibody (Ab-473), pAb, Rabbit	WB, IHC	Human	40 µg	A00301	\$50
Akt Antibody (Ser ⁴⁷³), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00959	\$50
AKT1 Antibody (Ab-450), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01293	\$50
AKT1/AKT2 Antibody (Ab-308/309), pAb, Rabbit	IHC	Human	40 µg	A01252	\$50
AKT1/AKT2/AKT3 Antibody (Ab-315/316/312), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A01227	\$50
Akt2 Antibody (Ab-474), pAb, Rabbit	WB, IHC	Human	40 µg	A00441	\$50
Alpha Internexin Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01397	\$50
AMPK Alpha-1 Chain Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00893	\$50
AMPK1 Antibody (Ab-174), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00664	\$50
Amyloid Precursor Protein Antibody (292-312), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00693	\$50
Amyloid Precursor Protein Antibody (44-63), pAb, Rabbit	ELISA, WB, IF	Human, mouse	40 µg	A00692	\$50
Amyloid Precursor Protein Antibody (653-662), pAb, Rabbit	ELISA, WB, IF	Human, mouse	40 µg	A00694	\$50
Amyloid Precursor Protein Antibody (671-685), pAb, Rabbit	ELISA, WB, IF	Human mouse	40 µg	A00695	\$50
Amyloid Precursor Protein Antibody (747-761), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00696	\$50
Amyloid Precursor Protein Antibody (Ab-730), pAb, Rabbit	ELISA, WB	Human	40 µg	A00966	\$50
Annexin II Antibody, pAb, Rabbit	WB	Human*	40 µg	A01471	\$50
AP2M1 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01212	\$50
AP2M1 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01247	\$50
APE1 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01205	\$50
APH1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00884	\$50
ApoM Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00954	\$50
APP FM Antibody (339-348), pAb, Rabbit	ELISA, WB	Human	40 µg	A00700	\$50
ASK1 Antibody (Ab-83), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00422	\$50
ASK1 Antibody (Ab-966), pAb, Rabbit	IHC, IF	Human	40 µg	A00425	\$50
ATF-2 Antibody (Ab-51/69), pAb, Rabbit	WB, IHC	Human	40 µg	A00258	\$50
ATF-2 Antibody (Ab-55/73), pAb, Rabbit	WB, IHC	Human	40 µg	A00260	\$50
ATF-2 Antibody (Ab-62/44), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00257	\$50
ATF-2 Antibody (Ab-71/53), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00259	\$50
ATF-2 Antibody (Ab-94/112), pAb, Rabbit	WB, IHC	Human	40 µg	A00261	\$50
ATF-4 Antibody (Ab-245), pAb, Rabbit	IHC	Human	40 µg	A00300	\$50
ATM Antibody (Ab-1981), pAb, Rabbit	WB, IF	Human	40 µg	A01222	\$50
ATP1A1 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01483	\$50
ATR Antibody (Ab-428), pAb, Rabbit	IHC	Human	40 µg	A01253	\$50
AU1-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00628	\$50
Avi-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00674	\$50
BACE1 Antibody (26-45), pAb, Rabbit	ELISA, WB	Human	40 µg	A00878	\$50
BACE1 Antibody (46-65), pAb, Rabbit	ELISA, WB	Human	40 µg	A00879	\$50
BACE1 Antibody (485-501), pAb, Rabbit	ELISA, WB	Human	40 µg	A00880	\$50
BAD Antibody (Ab-112), pAb, Rabbit	WB, IHC	Human	40 µg	A00309	\$50
BAD Antibody (Ab-136), pAb, Rabbit	WB, IHC	Human	40 µg	A00310	\$50
BAD Antibody (Ab-155), pAb, Rabbit	WB, IHC	Human	40 µg	A00311	\$50
BCL-2 Antibody (Ab-56), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00306	\$50
BCL-2 Antibody (Ab-70), pAb, Rabbit	WB, IHC	Human	40 µg	A00307	\$50
BCL-XL Antibody (Ab-62), pAb, Rabbit	WB	Human	40 µg	A00308	\$50

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Bcr Antibody (Ab-177), pAb, Rabbit	WB, IF	Human	40 µg	A00589	\$50
Beta-1,3-GalTase 2 Antibody, pAb, Rabbit	ELISA, WB	Human, bovine, goat, sheep, chicken	40 µg	A00918	\$50
BIM Antibody (Ab-69), pAb, Rabbit	WB, IHC,	Human, mouse	40 µg	A00514	\$50
BLBP Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A01422	\$50
BMP-7 Antibody (1G10H5), mAb, Mouse	ELISA, WB	NA	40 µg	A01286	\$50
BMP-7 Antibody (2A5F3), mAb, Mouse	ELISA, WB	Human	40 µg	A01285	\$50
BMP-7 Antibody (2C2F8), mAb, Mouse	ELISA, WB	Human	40 µg	A01283	\$50
BMP-7 Antibody (4C3G8), mAb, Mouse	ELISA, WB	Human	40 µg	A01284	\$50
BRCA1 Antibody (Ab-1423), pAb, Rabbit	WB, IHC	Human	40 µg	A00567	\$50
B-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00638	\$50
c-Abl Antibody (Ab-412), pAb, Rabbit	IHC	Human	40 µg	A00442	\$50
Calbindin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human*	40 µg	A01268	\$50
Calcineurin A Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01199	\$50
Calcineurin A Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01200	\$50
Calnexin Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A01234	\$50
Calnexin Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01240	\$50
Calnexin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01192	\$50
Calreticulin Antibody, pAb, Rabbit	WB	Human*	40 µg	A01443	\$50
CaMKII Antibody (Ab-286), pAb, Rabbit	WB, IF	Human, mouse	40 µg	A00515	\$50
CARM1 Antibody (Ab-228), pAb, Rabbit	WB, IF	Human	40 µg	A00932	\$50
Caspase 10 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01280	\$50
Caspase 10 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01232	\$50
Caspr2 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg	A01426	\$50
Catalase Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01202	\$50
Catalase Antibody, pAb, Rabbit	ELISA, WB	Mouse*	40 µg	A01188	\$50
Catalase Antibody, pAb, Rabbit	ELISA, WB, IP	Human, mouse*	40 µg	A01187	\$50
Catenin Antibody (Ab-33), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00584	\$50
Caveolin-1 Antibody (Ab-14), pAb, Rabbit	WB	Human, mouse	40 µg	A00413	\$50
CBP-tag Antibody, pAb, Rabbit	ELISA, WB	Mouse, rat, bovine, rabbit	40 µg	A00635	\$50
CCR3 Antibody, pAb, Rabbit	ELISA, IHC	NA	40 µg	A00977	\$50
CCR4 Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00978	\$50
CCR5 Antibody, pAb, Rabbit	ELISA, IHC	NA	40 µg	A00979	\$50
CDC2 Antibody (Ab-15), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00565	\$50
cdc2 Antibody (Ab-19), pAb, Rabbit	IHC	Human	40 µg	A01295	\$50
cdc25A Antibody (Ab-76), pAb, Rabbit	WB	Human	40 µg	A00446	\$50
cdc25C Antibody (Ab-216), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00433	\$50
CDK5 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01438	\$50
CDK6 Antibody (Ab-13), pAb, Rabbit	IHC, IF	Human	40 µg	A01264	\$50
CDK6 Antibody (Ab-24), pAb, Rabbit	IHC	Human	40 µg	A01265	\$50
cGFP-tag Antibody, mAb, Mouse	ELISA, WB	NA	40 µg	A00185	\$50
Chk1 Antibody (Ab-317), pAb, Rabbit	WB, IHC	Human	40 µg	A00608	\$50
Chk1 Antibody (Ser ²⁸⁰), pAb, Rabbit	ELISA, WB	Human*	40 µg	A01179	\$50
Chk2 Antibody (Ab-33), pAb, Rabbit	IHC	Human	40 µg	A01261	\$50
Chk2 Antibody (Ab-68), pAb, Rabbit	WB, IHC	Human	40 µg	A00388	\$50
CHRNA7 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01420	\$50
c-Jun Antibody (Ab-170), pAb, Rabbit	WB, IHC	Human	40 µg	A00587	\$50
c-Jun Antibody (Ab-239), pAb, Rabbit	WB, IHC	Human	40 µg	A00235	\$50
c-Jun Antibody (Ab-243), pAb, Rabbit	WB, IHC	Human	40 µg	A00238	\$50
c-Jun Antibody (Ab-63), pAb, Rabbit	WB	Human, mouse	40 µg	A00580	\$50
c-Jun Antibody (Ab-73), pAb, Rabbit	WB, IHC	Human	40 µg	A00197	\$50
c-Jun Antibody (Ab-91), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00231	\$50
c-Jun Antibody (Ab-93), pAb, Rabbit	WB, IHC	Human	40 µg	A00233	\$50
c-Kit Antibody (Ab-721), pAb, Rabbit	WB	Human	40 µg	A01166	\$50
c-Myc-tag Antibody, pAb, Rabbit	ELISA, WB, IF, IP	NA	40 µg	A00172	\$50

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
CNPase Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01308	\$50
Cofilin Antibody (Ab-3), pAb, Rabbit	WB, IHC	Human	40 µg	A00447	\$50
Cofilin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse*	40 µg	A01239	\$50
Cofilin Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01277	\$50
Cofilin1/Cofilin2 Antibody (Ab-88), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01254	\$50
Connexin 30 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00892	\$50
Connexin 32 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A01312	\$50
Connexin 43 Antibody (Ab-367), pAb, Rabbit	WB, IHC	Human	40 µg	A00544	\$50
Cortactin Antibody (Ab-421), pAb, Rabbit	IHC	Human, mouse	40 µg	A00521	\$50
Cortactin Antibody (Ab-466), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00520	\$50
COX IV Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01396	\$50
COX IV Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01402	\$50
Cre Recombinase Antibody, mAb, Mouse	ELISA, WB	NA	40 µg	A00888	\$50
Creatine kinase B Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01458	\$50
Creatine kinase M Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg	A01472	\$50
Creatine kinase MB Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01456	\$50
CREB Antibody (Ab-129), pAb, Rabbit	WB, IHC	Human	40 µg	A00519	\$50
CREB Antibody (Ab-133), pAb, Rabbit	WB, IHC	Human	40 µg	A00286	\$50
CREB Antibody (Ab-142), pAb, Rabbit	IHC	Human	40 µg	A01182	\$50
CT-1 Antibody, mAb, Mouse	ELISA, WB	NA	40 µg	A01060	\$50
CXCR2 Antibody, pAb, Rabbit	ELISA, WB, IHC	NA	40 µg	A00993	\$50
CXCR4 Antibody, pAb, Rabbit	WB	Human, mouse*	40 µg	A00995	\$50
Cytochrome P450 2C23 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00891	\$50
DARPP-32 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg	A01424	\$50
DDDDK-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00676	\$50
DJ-1 Antibody, pAb, Rabbit	ELISA, WB, IHC	Human*	40 µg	A01207	\$50
DJ-1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01208	\$50
DNA PKcs Antibody (Ab-2609), pAb, Rabbit	WB	Human, mouse	40 µg	A00591	\$50
Doublecortin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat*	40 µg	A01303	\$50
DYKDDDDK-tag Antibody, pAb, Rabbit	ELISA, WB, IF, FACS	NA	40 µg	A00170	\$50
E2-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00630	\$50
EB1 Antibody, pAb, Rabbit	WB	Human	40 µg	A00678	\$50
EGFR Antibody (Ab-1070), pAb, Rabbit	WB, IHC	Human	40 µg	A00344	\$50
EGFR Antibody (Ab-1092), pAb, Rabbit	WB, IHC	Human	40 µg	A00346	\$50
EGFR Antibody (Ab-1110), pAb, Rabbit	WB, IHC	Human	40 µg	A00538	\$50
EGFR Antibody (Ab-1172), pAb, Rabbit	WB	Human	40 µg	A00661	\$50
EGFR Antibody (Ab-1197), pAb, Rabbit	WB	Human	40 µg	A00578	\$50
EGFR Antibody (Ab-678), pAb, Rabbit	WB	Human	40 µg	A00666	\$50
EGFR Antibody (Ab-869), pAb, Rabbit	WB, IHC	Human	40 µg	A00577	\$50
eIF2α Antibody (Ab-51), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00518	\$50
eIF4E Antibody (Ab-209), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00574	\$50
eIF4G Antibody (Ab-1232), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01228	\$50
Elk-1 Antibody (Ab-383), pAb, Rabbit	WB, IHC	Human	40 µg	A00198	\$50
Elk-1 Antibody (Ab-389), pAb, Rabbit	IHC, IF	Human	40 µg	A00266	\$50
Elk-1 Antibody (Ab-417), pAb, Rabbit	IHC	Human	40 µg	A00592	\$50
eNOS Antibody (Ab-1177), pAb, Rabbit	WB, IF	Human	40 µg	A01152	\$50
Enterokinase Antibody, mAb, Mouse	ELISA, WB	NA	40 µg	A00889	\$50
Ephrin-B2 Antibody (Ab-316), pAb, Rabbit	WB	Human	40 µg	A00669	\$50
Ephrin-B2 Antibody (Ab-330), pAb, Rabbit	WB, IF	Human	40 µg	A00670	\$50
ERAB Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01095	\$50
ERK2 Antibody, pAb, Rabbit	ELISA, WB, FACS, IP	Human, mouse, rat*	40 µg	A01194	\$50
Estrogen Receptor Beta Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00939	\$50
Estrogen Receptor-α Antibody (Ab-104), pAb, Rabbit	WB, IHC	Human	40 µg	A00316	\$50

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Estrogen Receptor-α Antibody (Ab-106), pAb, Rabbit	WB, IHC	Human	40 µg	A00317	\$50
Estrogen Receptor-α Antibody (Ab-118), pAb, Rabbit	WB, IHC	Human	40 µg	A00322	\$50
Estrogen Receptor-α Antibody (Ab-167), pAb, Rabbit	WB, IHC	Human	40 µg	A00323	\$50
E-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00631	\$50
Ezrin Antibody (Ab-353), pAb, Rabbit	WB	Human	40 µg	A00392	\$50
Ezrin Antibody (Ab-567), pAb, Rabbit	WB	Human	40 µg	A00457	\$50
FAK Antibody (Ab-861), pAb, Rabbit	WB, IHC	Human	40 µg	A00350	\$50
FAK Antibody (Ab-925), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00434	\$50
FEN-1 Antibody, pAb, Rabbit	WB	Human*	40 µg	A01421	\$50
FEN-1 Antibody, pAb, Rabbit	WB	Human, mouse, rat.	40 µg	A01461	\$50
FGF Receptor 1 Antibody (Ab-154), pAb, Rabbit	WB	Human, mouse	40 µg	A01155	\$50
FGF-16 Antibody (8B6D8), mAb, Mouse	ELISA, WB	NA	40 µg	A01468	\$50
FGF-16 Antibody (8D6F2), mAb, Mouse	ELISA, WB	NA	40 µg	A01469	\$50
FGF-16 Antibody (9D6B4), mAb, Mouse	ELISA, WB	NA	40 µg	A01470	\$50
FGF-6 Antibody, mAb, Mouse	ELISA, WB	NA	40 µg	A01411	\$50
FGF-Acidic Antibody (5F12C10), mAb, Mouse	ELISA, WB	NA	40 µg	A01282	\$50
FGF-Acidic Antibody (5F5G8), mAb, Mouse	ELISA, WB	NA	40 µg	A01281	\$50
Fibrillarin Antibody, pAb, Rabbit	WB	Human*	40 µg	A01462	\$50
FKHR Antibody (Ab-256), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00427	\$50
FKHR Antibody (Ab-319), pAb, Rabbit	WB, IHC	Human	40 µg	A00444	\$50
FKHRL 1 Antibody (Ab-253), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg	A00450	\$50
FOXA1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01389	\$50
G3BP-1 Antibody (Ab-232), pAb, Rabbit	WB, IHC	Human	40 µg	A00404	\$50
Gab1 Antibody (Ab-627), pAb, Rabbit	WB, IHC	Human	40 µg	A00512	\$50
GABRB1 Antibody (Ab-434), pAb, Rabbit	WB	Human	40 µg	A01231	\$50
GAD65 Antibody, pAb, Rabbit	WB	NA	40 µg	A01496	\$50
GAD65+GAD67 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg	A01437	\$50
GAD67 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01440	\$50
GAP43 Antibody (Ab-41), pAb, Rabbit	WB, IHC, IF	Mouse, rat*	40 µg	A01046	\$50
GAP-43 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat, goat	40 µg	A01414	\$50
GAP-43 Antibody, pAb, Rabbit	WB	Rabbit, chicken, hamster	40 µg	A01441	\$50
GAPDH Antibody, pAb, Goat	ELISA, WB	bovine, swine, fish, <i>E. coli</i>	40 µg	A00191	\$50
GATA1 Antibody (Ab-142), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00270	\$50
GATA1 Antibody (Ab-310), pAb, Rabbit	WB	Human	40 µg	A00273	\$50
Geminin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01251	\$50
Geminin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01246	\$50
GFAP Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, rat*	40 µg	A01309	\$50
GFP Antibody, pAb, Rabbit	ELISA, WB, IP	NA	40 µg	A01388	\$50
Glu-Glu-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00627	\$50
GluR1 Antibody (Ab-849), pAb, Rabbit	WB	Human, mouse	40 µg	A01043	\$50
Glutamine Synthetase Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat	40 µg	A01305	\$50
GM-CSF Antibody (A01287.01), mAb, Mouse	ELISA, WB	NA	40 µg	A01287	\$50
GM-CSF Antibody (A01290.01), mAb, Mouse	ELISA, WB	NA	40 µg	A01290	\$50
GPR30 Antibody, pAb, Rabbit	ELISA, WB, IHC	Human	40 µg	A01074	\$50
GSK3α Antibody (Ab-21), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00210	\$50
GSK3β Antibody (Ab-9), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00196	\$50
GST-tag Antibody, pAb, Goat	ELISA, WB	NA	40 µg	A01379	\$50
GST-tag Antibody, pAb, Rabbit	ELISA, WB	<i>Schistosoma japonicum</i>	40 µg	A00097	\$50
H1N1 PB2 Antibody, pAb, Rabbit	WB	Influenza A virus (H1N1)	40 µg	A01464	\$50
HA-Tag Antibody, mAb, Mouse	ELISA, WB	NA	40 µg	A00189	\$50

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
HA-tag Antibody, pAb, Goat	ELISA, WB, IF, IP	NA	40 µg	A00168	\$50
HAT-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00636	\$50
HDAC1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01279	\$50
HDAC2 Antibody (Ab-394), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00428	\$50
HDAC2 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01178	\$50
HDAC4 Antibody (Ab-632), pAb, Rabbit	WB, IF	Human	40 µg	A00429	\$50
HDAC4/HDAC5/HDAC9 Antibody (Ab-246/259/220), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg	A01257	\$50
HDAC5 Antibody (Ab-498), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00430	\$50
HDAC8 Antibody (Ab-39), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00431	\$50
HER2 Antibody (Ab-1221,1222), pAb, Rabbit	WB, IHC	Human	40 µg	A00327	\$50
HER2 Antibody (Ab-1248), pAb, Rabbit	WB, IHC	Human	40 µg	A00331	\$50
HER2 Antibody (Ab-877), pAb, Rabbit	WB, IHC	Human	40 µg	A00325	\$50
HER3/ErbB3 Antibody (Ab-1328), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01255	\$50
His-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00174	\$50
Histone 2B Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A01174	\$50
Histone H2A Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01173	\$50
Histone H2A.X Antibody (Ab-139), pAb, Rabbit	WB, IHC	Human	40 µg	A00529	\$50
Histone H3.1 Antibody (Ab-10), pAb, Rabbit	WB, IF	Human	40 µg	A00426	\$50
Histone H4 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A01176	\$50
hnRNP C1/C2 Antibody, pAb, Rabbit	WB	Human	40 µg	A01484	\$50
HRP Antibody (Horseradish Peroxidase), pAb, Rabbit	ELISA	NA	200 µg	A00619	\$50
HSF1 Antibody (Ab-303), pAb, Rabbit	WB, IHC	Human	40 µg	A00610	\$50
HSF1 Antibody (Ab-307), pAb, Rabbit	WB, IHC	Human	40 µg	A00671	\$50
HSP27 Antibody (Ab-15), pAb, Rabbit	WB, IHC	Human	40 µg	A00432	\$50
HSP27 Antibody (Ab-78), pAb, Rabbit	WB, IHC	Human	40 µg	A00560	\$50
HSP27 Antibody (Ab-82), pAb, Rabbit	WB, IHC	Human	40 µg	A00558	\$50
HSP27 Antibody, pAb, Rabbit	ELISA, WB, FACS	Human	40 µg	A01378	\$50
HSP40 Antibody, pAb, Rabbit	WB	Human, mouse*	40 µg	A01241	\$50
HSP70 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01243	\$50
HSP70 Antibody, pAb, Rabbit	ELISA, WB, FACS	Human, mouse*	40 µg	A01236	\$50
HSP70 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01242	\$50
HSP90B Antibody (Ab-254), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00672	\$50
HSV-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00624	\$50
HtrA2 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01427	\$50
ICAM-1 Antibody (Ab-512), pAb, Rabbit	WB	Human	40 µg	A01038	\$50
IDO Antibody, pAb, Rabbit	WB	NA	40 µg	A00887	\$50
IDO Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A01053	\$50
IGF-1R Antibody (Ab-1161), pAb, Rabbit	WB, IHC	Human	40 µg	A00380	\$50
IGF-1R Antibody (Ab-1165, 1166), pAb, Rabbit	WB	Human	40 µg	A00383	\$50
IGF-1R Antibody (Ab-1346), pAb, Rabbit	WB, IHC	Human	40 µg	A00927	\$50
IKKα Antibody (Ab-23), pAb, Rabbit	WB, IHC	Human	40 µg	A00421	\$50
IL-1 beta Antibody (7C10B9), mAb, Mouse	ELISA	NA	40 µg	A01487	\$50
IL-1 beta Antibody (6B1G11), mAb, Mouse	ELISA, WB	NA	40 µg	A01485	\$50
IL-8 Antibody, mAb, Mouse	ELISA, WB	NA	100 µg	A00044	\$50
IL-8 Antibody, pAb, Goat	ELISA, WB	Human	40 µg	A00158	\$50
Integrin β3 Antibody (Ab-773), pAb, Rabbit	WB, IHC	Human	40 µg	A00386	\$50
Integrin β3 Antibody (Ab-785), pAb, Rabbit	WB	Human	40 µg	A01167	\$50
IP-10 Antibody, mAb, Mouse	ELISA, WB	NA	100 µg	A00163	\$50
IRS-1 Antibody (Ab-312), pAb, Rabbit	WB	Human	40 µg	A01151	\$50
IRS-1 Antibody (Ab-636), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00575	\$50
IRS-1 Antibody (Ab-639), pAb, Rabbit	WB, IF	Human	40 µg	A01042	\$50
IkB-α Antibody (Ab-32, 36), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00609	\$50

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
IkB-α Antibody (Ab-42), pAb, Rabbit	WB, IHC	Human	40 µg	A00453	\$50
IkB-β Antibody (Ab-23), pAb, Rabbit	WB, IHC	Human	40 µg	A00928	\$50
JAK1 Antibody (Ab-1022), pAb, Rabbit	WB, IHC	Human	40 µg	A00418	\$50
JAK2 Antibody (Ab-1007), pAb, Rabbit	WB	Human, mouse	40 µg	A01185	\$50
JAK2 Antibody (Ab-221), pAb, Rabbit	IHC	Human	40 µg	A00419	\$50
Jak2 Antibody (Ab-570), pAb, Rabbit	IHC	Human	40 µg	A01259	\$50
JunB Antibody (Ab-259), pAb, Rabbit	WB, IHC	Human	40 µg	A00256	\$50
JunB Antibody (Ab-79), pAb, Rabbit	IHC, IF	Human	40 µg	A00255	\$50
JunD Antibody (Ab-255), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00590	\$50
Ki-67 Antibody, pAb, Rabbit	IHC	Human	40 µg	A01495	\$50
KLH Antibody, mAb, Mouse	ELISA	NA	40 µg	A01486	\$50
KT3-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00632	\$50
Lamin A+C Antibody, pAb, Rabbit	WB	Human, mouse*	40 µg	A01455	\$50
LC3A Antibody, pAb, Rabbit	WB, IF	Human	40 µg	A00971	\$50
MARCKS Antibody (Ab-158), pAb, Rabbit	WB, IF	Human, mouse	40 µg	A00511	\$50
MAT-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00681	\$50
MBP-tag Antibody, mAb, Mouse	ELISA, WB	NA	40 µg	A00190	\$50
M-CSF Antibody, mAb, Mouse	ELISA, WB	NA	100 µg	A00184	\$50
MDM2 Antibody (Ab-166), pAb, Rabbit	IHC, IF	Human	40 µg	A01267	\$50
MEF2A Antibody (Ab-312), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00642	\$50
MEF2A Antibody (Ab-319), pAb, Rabbit	IHC	Human	40 µg	A00268	\$50
MEK1 Antibody (Ab-217), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01041	\$50
MEK1 Antibody (Ab-221), pAb, Rabbit	WB, IHC	Human	40 µg	A00452	\$50
MEK1 Antibody (Ab-291), pAb, Rabbit	WB, IHC	Human	40 µg	A00510	\$50
MEK2 Antibody (Ab-394), pAb, Rabbit	WB, IHC	Human	40 µg	A00211	\$50
MELK Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01390	\$50
MEP50 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01385	\$50
Merlin Antibody (Ab-518), pAb, Rabbit	WB, IHC	Human	40 µg	A00533	\$50
Met Antibody (Ab-1234), pAb, Rabbit	WB	Human	40 µg	A00464	\$50
Met Antibody (Ab-1349), pAb, Rabbit	WB	Human	40 µg	A00569	\$50
mGluR5 Antibody, pAb, Rabbit	WB	Human	40 µg	A01493	\$50
Mitoferrin-1 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00916	\$50
MKK3 Antibody (Ab-189), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00415	\$50
MKK6 Antibody (Ab-207), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00438	\$50
MPS1/RPS27 Antibody, mAb, Mouse	ELISA, WB	NA	40 µg	A01056	\$50
MSK1 Antibody (Ab-376), pAb, Rabbit	WB	Human	40 µg	A00588	\$50
mTOR Antibody (Ab-2448), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01154	\$50
Myc Antibody (Ab-358), pAb, Rabbit	WB, IHC	Human	40 µg	A00264	\$50
Myc Antibody (Ab-373), pAb, Rabbit	WB,	Human, mouse	40 µg	A00265	\$50
Myc Antibody (Ab-58), pAb, Rabbit	WB, IHC	Human	40 µg	A00262	\$50
Myelin Basic Protein Antibody, pAb, Rabbit	ELISA, WB	Mouse, rat*	40 µg	A01407	\$50
MyoD Antibody (Ab-200), pAb, Rabbit	WB	Human	40 µg	A00607	\$50
NCAM Antibody, pAb, Rabbit	ELISA, WB	Rat, mouse*	40 µg	A01415	\$50
Nestin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01413	\$50
Neurofascin Antibody, pAb, Rabbit	ELISA, WB	Rat, mouse*	40 µg	A01377	\$50
Neurofilament-M Antibody, pAb, Rabbit	ELISA, WB	Mouse, rat*	40 µg	A01395	\$50
Neuroserpin Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg	A01482	\$50
NF-κB p100/p52 Antibody (Ab-866), pAb, Rabbit	WB, IHC	Human	40 µg	A00583	\$50
NF-κB p100/p52 Antibody (Ab-870), pAb, Rabbit	WB, IHC	Human	40 µg	A00225	\$50
NF-κB p105/p50 Antibody (Ab-337), pAb, Rabbit	IHC	Human	40 µg	A00585	\$50
NF-κB p105/p50 Antibody (Ab-893), pAb, Rabbit	WB, IHC	Human	40 µg	A00227	\$50

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
NF-κB p105/p50 Antibody (Ab-907), pAb, Rabbit	WB, IHC	Human	40 µg	A00228	\$50
NF-κB p105/p50 Antibody (Ab-927), pAb, Rabbit	WB, IF	Human	40 µg	A00929	\$50
NF-κB p105/p50 Antibody (Ab-932), pAb, Rabbit	WB, IHC	Human	40 µg	A00555	\$50
NF-κB p65 Antibody (Ab-254), pAb, Rabbit	IHC	Human	40 µg	A00581	\$50
NF-κB p65 Antibody (Ab-276), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00212	\$50
NF-κB p65 Antibody (Ab-311), pAb, Rabbit	WB, IHC	Human	40 µg	A00542	\$50
NF-κB p65 Antibody (Ab-435), pAb, Rabbit	WB, IHC	Human	40 µg	A00213	\$50
NF-κB p65 Antibody (Ab-468), pAb, Rabbit	WB, IHC	Human	40 µg	A00219	\$50
NF-κB p65 Antibody (Ab-505), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A01163	\$50
NF-κB p65 Antibody (Ab-529), pAb, Rabbit	WB, IHC	Human	40 µg	A00459	\$50
NF-κB p65 Antibody (Ab-536), pAb, Rabbit	WB, IHC	Human	40 µg	A00222	\$50
Niban Antibody, pAb, Rabbit	WB, IF	Human	40 µg	A00933	\$50
Nicastrin Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00883	\$50
NMDAR1 Antibody (Ab-896), pAb, Rabbit	WB	Human, mouse	40 µg	A01149	\$50
NSE Antibody, pAb, Rabbit	ELISA,WB, IHC	Human, mouse, rat*	40 µg	A01405	\$50
NSE Antibody, pAb, Rabbit	ELISA,WB, IHC, IP	Human, mouse, rat*	40 µg	A01406	\$50
NSE Antibody, pAb, Rabbit	ELISA,WB, IHC	Human, mouse, rat*	40 µg	A01412	\$50
NSG1 Antibody, pAb, Rabbit	ELISA,WB, IP	Human, mouse, rat*	40 µg	A01442	\$50
NWSHPQFEK Antibody, pAb, Rabbit	ELISA,WB	NA	40 µg	A00626	\$50
OLIG2 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01474	\$50
p21Cip1 Antibody (Ab-145), pAb, Rabbit	WB,	Human	40 µg	A01150	\$50
p27Kip1 Antibody (Ab-10), pAb, Rabbit	WB, IHC	Human	40 µg	A00436	\$50
p35 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg	A01423	\$50
p38 MAPK Antibody (Ab-182), pAb, Rabbit	WB	Human, mouse	40 µg	A00553	\$50
p44/42 MAP Kinase Antibody (Ab-202), pAb, Rabbit	WB	Human	40 µg	A00564	\$50
p53 Antibody (Ab-15), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00595	\$50
p53 Antibody (Ab-315), pAb, Rabbit	WB	Human	40 µg	A00598	\$50
p53 Antibody (Ab-37), pAb, Rabbit	WB	Human	40 µg	A01221	\$50
p53 Antibody (Ab-46), pAb, Rabbit	WB	Human	40 µg	A00596	\$50
p53 Antibody (Ab-9), pAb, Rabbit	WB	Human	40 µg	A01162	\$50
p62Dok Antibody (Ab-362), pAb, Rabbit	WB, IHC	Human	40 µg	A01044	\$50
p62Dok Antibody (Ab-398), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01045	\$50
p70 S6 Kinase Antibody (Ab-421), pAb, Rabbit	WB, IHC	Human	40 µg	A00550	\$50
p70 S6 Kinase Antibody (Ab-424), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00516	\$50
p73 Antibody (Ab-99), pAb, Rabbit	WB	Human	40 µg	A00348	\$50
p90RSK Antibody (Ab-348), pAb, Rabbit	WB, IF	Human	40 µg	A00603	\$50
p90RSK Antibody (Ab-352), pAb, Rabbit	WB, IHC	Human	40 µg	A00601	\$50
p95/NBS1 Antibody (Ab-343), pAb, Rabbit	WB, IHC	Human	40 µg	A00305	\$50
PAK1 Antibody (Ab-212), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00651	\$50
PAK1/PAK2/PAK3 Antibody (Ab-423/402/421), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A01040	\$50
Parkin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat*	40 µg	A01250	\$50
Parvalbumin Antibody, pAb, Rabbit	ELISA, WB, IP	Human, mouse, rat*	40 µg	A01439	\$50
Paxillin Antibody (Ab-118), pAb, Rabbit	WB, IHC	Human	40 µg	A00409	\$50
Paxillin Antibody (Ab-31), pAb, Rabbit	WB, IHC	Human	40 µg	A00456	\$50
PCNA Antibody, mAb, Mouse	WB	NA	40 µg	A01055	\$50
PDI Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01434	\$50
PDFK1 Antibody (Ab-241), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00208	\$50
PEN2 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00882	\$50
Peroxiredoxin-6 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00962	\$50
PGK1 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00961	\$50

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PGP9.5 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01398	\$50
PIN1 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01090	\$50
Piwi-like Protein 1 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00963	\$50
PKA RI1α Antibody, pAb, Rabbit	WB	Human	40 µg	A00948	\$50
PKA RI1β Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00949	\$50
PKA RIβ Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00947	\$50
PKC ε Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00675	\$50
PKCα Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00901	\$50
PKCα/β2 Antibody (Thr ^{638/641}), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A01052	\$50
PKCβ Antibody (Ab-641), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00655	\$50
PKCβ2 Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00903	\$50
PKCγ Antibody, pAb, Rabbit	WB	NA	40 µg	A00904	\$50
PKCδ Antibody (Ab-645), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00509	\$50
PKCδ Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00905	\$50
PKCζ Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00908	\$50
PKCη Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00906	\$50
PKCθ Antibody (Ab-676), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00508	\$50
PKCθ Antibody (Ab-695), pAb, Rabbit	WB, IHC	Human	40 µg	A00656	\$50
PKCι/λ Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00910	\$50
PKCμ Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00909	\$50
PKCν Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A01067	\$50
PKD/PKCμ Antibody (Ab-738), pAb, Rabbit	WB, IF	Human	40 µg	A00606	\$50
PKD/PKCμ Antibody (Ab-910), pAb, Rabbit	WB,	Human	40 µg	A00605	\$50
PKG-2 Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A01070	\$50
PLCγ1 Antibody (Ab-771), pAb, Rabbit	WB, IHC	Human	40 µg	A01260	\$50
PLCγ1 Antibody (Ab-783), pAb, Rabbit	WB	Human	40 µg	A01039	\$50
PLC-γ2 Antibody (Ab-1217), pAb, Rabbit	IHC	Human	40 µg	A01294	\$50
PLCγ2 Antibody (Ab-753), pAb, Rabbit	WB, IF	Human	40 µg	A00658	\$50
PON2 Antibody, pAb, Rabbit	WB	NA	40 µg	A00816	\$50
PP2A-α Antibody, pAb, Rabbit	WB	Human	40 µg	A01226	\$50
Presenilin 1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00881	\$50
Presenilin 2 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00943	\$50
PRMT1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01401	\$50
Progesterone Receptor Antibody (Ab-190), pAb, Rabbit	WB, IF	Human	40 µg	A01165	\$50
Prohibitin Antibody, pAb, Rabbit	WB	NA	40 µg	A00706	\$50
Prohibitin Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01195	\$50
Prohibitin Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01238	\$50
Protein C -tag Antibody (HPC4), pAb, Rabbit	ELISA, WB	NA	40 µg	A00637	\$50
PTEN Antibody (Ab-370), pAb, Rabbit	WB, IHC	Human	40 µg	A00303	\$50
PTEN Antibody (Ab-380, 382, 383), pAb, Rabbit	WB, IHC	Human	40 µg	A00302	\$50
Pyk2 Antibody (Ab-402), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00586	\$50
Rab5 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A01302	\$50
C-Fos Antibody, pAb, Rabbit	WB	Human	40 µg	A01512	\$50
C-Fos Antibody, pAb, Rabbit	WB	Human	40 µg	A01513	\$50
Cytochrome C Antibody, pAb, Rabbit	WB	Human, mouse	40 µg	A01507	\$50
EEA1 Antibody, pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01514	\$50
GRP94 Antibody, pAb, Rabbit	WB	Human	40 µg	A01510	\$50
H1N1 HA Antibody, pAb, Rabbit	WB	Influenza A virus (H1N1)	40 µg	A01500	\$50
H1N1 NP Antibody, pAb, Rabbit	WB	Influenza A virus (H1N1)	40 µg	A01506	\$50
H1N1 NS2 Antibody, pAb, Rabbit	WB	Influenza A virus (H1N1)	40 µg	A01499	\$50
HEC1 Antibody, pAb, Rabbit	WB	Human	40 µg	A01504	\$50
Histone H3 Antibody, pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01502	\$50
NQO1 Antibody, pAb, Rabbit	WB	Human	40 µg	A01511	\$50

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
PSD95 Antibody,pAb,Rabbit	WB	Mouse, rat	40 µg	A01501	\$50
Rac1 Antibody (Ab-71), pAb, Rabbit	WB, IF	Human	40 µg	A00660	\$50
Raf-1 Antibody (Ab-259), pAb, Rabbit	WB, IHC	Human	40 µg	A00209	\$50
Raf1 Antibody (Ab-338), pAb, Rabbit	WB, IHC	Human	40 µg	A01153	\$50
RAGE Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00972	\$50
RANTES Antibody (1E11G5), mAb, Mouse	ELISA, WB	NA	40 µg	A01475	\$50
RANTES Antibody (2H8G2), mAb, Mouse	ELISA, WB	NA	40 µg	A01476	\$50
RANTES Antibody (3C2E3), mAb, Mouse	ELISA, WB	NA	40 µg	A01477	\$50
RANTES Antibody (3G2D10), mAb, Mouse	ELISA, WB	NA	40 µg	A01478	\$50
RANTES Antibody (4A10F2), mAb, Mouse	ELISA, WB	NA	40 µg	A01479	\$50
RANTES Antibody (4G8F2), mAb, Mouse	ELISA, WB	NA	40 µg	A01480	\$50
RANTES Antibody (4H2B3), mAb, Mouse	ELISA, WB	NA	40 µg	A01481	\$50
RAP1A and RAP1B Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A01047	\$50
Rb Antibody (Ab-780), pAb, Rabbit	WB, IHC	Human	40 µg	A00412	\$50
Rb Antibody (Ab-795), pAb, Rabbit	WB	Human	40 µg	A00410	\$50
Rb Antibody (Ab-807), pAb, Rabbit	WB, IHC	Human	40 µg	A00411	\$50
RelB Antibody (Ab-573), pAb, Rabbit	WB	Human	40 µg	A00547	\$50
RFP-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00682	\$50
Runx3 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00973	\$50
S1-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00679	\$50
S6 Ribosomal Protein Antibody (Ab-235), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00465	\$50
SAA1 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00944	\$50
SAPK/JNK Antibody (Ab-183), pAb, Rabbit	IHC	Human	40 µg	A00557	\$50
SAPK/JNK Antibody (Ab-183), pAb, Rabbit	WB, IHC	Human	40 µg	A01161	\$50
SCF Antibody, mAb, Mouse	ELISA, WB	NA	40 µg	A01061	\$50
SEK1/MKK4 Antibody (Ab-261), pAb, Rabbit	IHC, IF	Human	40 µg	A00423	\$50
SEK1/MKK4 Antibody (Ab-80), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00424	\$50
Serum Amyloid P Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00701	\$50
Shc1 Antibody (Ab-427), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00930	\$50
SHP-1 Antibody (Ab-536), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00970	\$50
Smad2 Antibody (Ab-220), pAb, Rabbit	WB, IHC	Human	40 µg	A01223	\$50
Smad3 Antibody (Ab-208), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A01224	\$50
Smad3 Antibody (Ab-425), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A01225	\$50
SMC1 Antibody (Ab-957), pAb, Rabbit	WB, IHC	Human	40 µg	A00455	\$50
SNAP25 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01445	\$50
SNAP-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00684	\$50
Src Antibody (Ab-529), pAb, Rabbit	WB, IHC	Human	40 µg	A00449	\$50
SRT-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00725	\$50
S-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00625	\$50
STAT1 Antibody (Ab-701), pAb, Rabbit	WB, IHC	Human	40 µg	A00274	\$50
STAT1 Antibody (Ab-727), pAb, Rabbit	WB, IHC	Human	40 µg	A00454	\$50
Stat2 Antibody (Ab-690), pAb, Rabbit	WB, IHC	Human	40 µg	A01263	\$50
STAT3 Antibody (Ab-727), pAb, Rabbit	WB, IHC	Human	40 µg	A00278	\$50
STAT4 Antibody (Ab-693), pAb, Rabbit	WB, IHC	Human	40 µg	A00279	\$50
STAT5A Antibody (Ab-694), pAb, Rabbit	WB, IHC	Human	40 µg	A00280	\$50
STAT5A Antibody (Ab-780), pAb, Rabbit	WB, IHC	Human	40 µg	A00281	\$50
STAT6 Antibody (Ab-641), pAb, Rabbit	WB, IHC	Human	40 µg	A00282	\$50
STAT6 Antibody (Ab-645), pAb, Rabbit	WB, IHC	Human	40 µg	A00284	\$50
Stathmin 1 Antibody (Ab-16), pAb, Rabbit	WB, IHC	Human	40 µg	A00573	\$50
Stathmin 1 Antibody (Ab-25), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00462	\$50
Stathmin 1 Antibody (Ab-38), pAb, Rabbit	WB, IHC	Human	40 µg	A00463	\$50
Stathmin1 Antibody (Ab-62), pAb, Rabbit	WB, IHC	Human	40 µg	A01258	\$50
Superoxide Dismutase 1 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A01005	\$50
Syk Antibody (Ab-323), pAb, Rabbit	IHC, IF	Human	40 µg	A01266	\$50

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Synapsin Antibody (Ab-9), pAb, Rabbit	WB	Human	40 µg	A00531	\$50
Synaptophysin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat	40 µg	A01307	\$50
Synaptotagmin I/II Antibody (Ab-202/199), pAb, Rabbit	WB, IF	Human	40 µg	A01170	\$50
T7-tag Antibody, pAb, Rabbit	WB	NA	40 µg	A00622	\$50
Tag-100-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00677	\$50
TAP-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00683	\$50
Tau Antibody (Ab-181), pAb, Rabbit	WB	Human	40 µg	A00397	\$50
Tau Antibody (Ab-205), pAb, Rabbit	WB	Human	40 µg	A00398	\$50
Tau Antibody (Ab-212), pAb, Rabbit	WB	Human, rat	40 µg	A00545	\$50
Tau Antibody (Ab-217), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A00942	\$50
Tau Antibody (Ab-231), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00400	\$50
Tau Antibody (Ab-235), pAb, Rabbit	WB	Human, mouse	40 µg	A00393	\$50
Tau Antibody (Ab-262), pAb, Rabbit	WB	Human, mouse	40 µg	A00600	\$50
Tau Antibody (Ab-396), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00389	\$50
Tau Antibody (Ab-404), pAb, Rabbit	WB	Human	40 µg	A00401	\$50
Tau Antibody (Phospho-Ser ²⁶²), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A01099	\$50
Tau Antibody (Phospho-Ser ³⁵⁶), pAb, Rabbit	ELISA, WB	Human	40 µg	A01048	\$50
Tau Antibody (Phospho-Ser ³⁹⁶), pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01387	\$50
Tau Antibody (Phospho-Ser ⁴⁰⁰), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A01049	\$50
Tau Antibody (Phospho-Ser ⁴⁰⁹), pAb, Rabbit	ELISA, WB	Human	40 µg	A01050	\$50
Tau Antibody (Phospho-Ser ⁴²²), pAb, Rabbit	ELISA, WB	Human	40 µg	A01051	\$50
TDP43 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01304	\$50
TF-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A01329	\$50
Thioredoxin Antibody (TRX), mAb, Mouse	ELISA, WB	Human	40 µg	A00164	\$50
TPMT Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01196	\$50
TPMT Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01248	\$50
TRF1 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01198	\$50
TRF1 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01237	\$50
TrkA Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01403	\$50
TrkA Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01404	\$50
Trx-tag Antibody, mAb, Mouse	ELISA, WB	<i>E. coli</i> , human	40 µg	A00180	\$50
Trx-tag Antibody, pAb, Goat	ELISA, WB	<i>E. coli</i> , human	40 µg	A00129	\$50
Ty1-tag Antibody, pAb, Rabbit	ELISA, WB, IP	NA	40 µg	A01004	\$50
TYK2 Antibody (Ab-1054), pAb, Rabbit	IHC	Human	40 µg	A00416	\$50
Universal-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00680	\$50
V5-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00623	\$50
VASP Antibody (Ab-157), pAb, Rabbit	WB, IF	Human	40 µg	A00458	\$50
VASP Antibody (Ab-239), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00451	\$50
V-ATPase Subunit B 2 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00960	\$50
Vav Antibody (Ab-174), pAb, Rabbit	WB	Human	40 µg	A00448	\$50
VDAC1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01419	\$50
VEGFR2 Antibody (Ab-1175), pAb, Rabbit	IHC	Human	40 µg	A00352	\$50
VEGFR2 Antibody (Ab-1214), pAb, Rabbit	IHC	Human	40 µg	A00355	\$50
VEGFR2 Antibody (Ab-951), pAb, Rabbit	WB, IHC	Human	40 µg	A00357	\$50
Vimentin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse*	40 µg	A01191	\$50
Vimentin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human*	40 µg	A01193	\$50
Vimentin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human*	40 µg	A01189	\$50
VSV-G-tag Antibody, pAb, Rabbit	ELISA, WB, IP	NA	40 µg	A00199	\$50
WISP2 Antibody, mAb, Mouse	ELISA, WB	*	40 µg	A01012	\$50
Zap-70 Antibody (Ab-493), pAb, Rabbit	IHC	Human	40 µg	A00593	\$50
α-Actin-1 Antibody, pAb, Rabbit	WB	NA	40 µg	A00885	\$50
α-catenin Antibody (Ab-177), pAb, Rabbit	WB, IHC	Human	40 µg	A01230	\$50
α-Catenin Antibody (Ab-641), pAb, Rabbit	WB,	Human	40 µg	A00931	\$50
β-Amyloid Antibody (1-17), pAb, Rabbit	ELISA, WB, IF	Human	40 µg	A00685	\$50

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
β-Amyloid Antibody (1-40), pAb, Rabbit	ELISA, WB, IF	Human	40 µg	A00688	\$50
β-Amyloid Antibody (25-35), pAb, Rabbit	ELISA, WB	Human	40 µg	A00687	\$50
β-Catenin Antibody (Ab-37), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00582	\$50
β-Catenin Antibody (Ab-41, 45), pAb, Rabbit	WB	Human	40 µg	A00407	\$50
β-catenin Antibody (Ab-654), pAb, Rabbit	WB	Human	40 µg	A01229	\$50
β-Catenin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01211	\$50
β-Catenin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01235	\$50
β-Tubulin III Antibody, pAb, Rabbit	ELISA, WB, IHC FACS	Human, mouse, rat*	40 µg	A01203	\$50

*: This product has not been tested with reactivity to other species.

NA: Not Available.



For more information on MiniFresh® Antibodies, visit http://www.genscript.com/cgi-bin/products/antibody_list_price_below_70.cgi

Primary Antibodies

Primary antibodies recognize and bind with high affinity and specificity to unique epitopes across a broad spectrum of biomolecules. They are available as high specificity monoclonal antibodies and/or as polyclonal antibodies. These antibodies are useful in detecting specific biomolecules and measuring

changes in their level and specificity due to modifications such as phosphorylation, methylation, or glycosylation. GenScript now offers over 1000 highly specific monoclonal and polyclonal antibodies, covering all areas of life science research.

Epitope Tag Antibodies

An epitope is an antigenic determinant and a biological structure or sequence to which an antibody binds. Using recombinant DNA technology, we can construct fusion proteins that each consists of a gene of interest and an epitope tag. These fusion

proteins can be purified and identified by epitope tag specific antibodies. The most commonly used epitope tags include Hemagglutinin, 6-Histidine, c-Myc, GST, and DYKDDDDK. GenScript offers highly specific epitope tag antibodies for your research applications.

Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
THE™ Anti-c-Myc-tag [Biotin] mAb (Mouse)	ELISA, WB, IF, IP	NA	40 µg 200 µg	A00864	\$74 \$333
THE™ Anti-c-Myc-tag [HRP] mAb (Mouse)	ELISA, WB, IF, IP	NA	40 µg 200 µg	A00863	\$74 \$333
THE™ Anti-c-Myc-tag mAb (Mouse)	ELISA, WB, IF, IP	NA	40 µg 200 µg	A00704	\$69 \$311
THE™ Anti-GST-tag [HRP] mAb (Mouse)	ELISA, WB, IP	NA	40 µg 200 µg	A00866	\$74 \$333
THE™ Anti-GST-tag mAb (Mouse)	ELISA, WB, IP	NA	40 µg 200 µg 500 µg	A00865	\$69 \$311 \$750
THE™ Anti-GST-tag [Biotin] mAb (Mouse)	ELISA, WB,IP	NA	40 µg 200 µg	A00867	\$74 \$333
THE™ Anti-HA-tag [Biotin] mAb (Mouse)	ELISA, WB	NA	100 µg	A01297	\$335
THE™ Anti-HA-tag [HRP] mAb (Mouse)	ELISA, WB	NA	100 µg	A01296	\$335
THE™ Anti-HA-tag mAb (Mouse)	ELISA, WB, IP	NA	100 µg	A01244	\$330
THE™ Anti-His-tag [Biotin] mAb	ELISA, WB	NA	100 µg	A00613	\$410
THE™ Anti-His-tag [HRP] mAb	ELISA, WB	NA	100 µg	A00612	\$410
THE™ Anti-His-tag mAb (Mouse)	ELISA, WB, IF, FACS, IP	NA	100 µg	A00186	\$375
THE™ Mouse Anti-DYKDDDDK mAb	ELISA, WB, IP	NA	100 µg	A00187	\$330
THE™ Mouse Anti-DYKDDDDK mAb (Biotin)	ELISA, WB, IP	NA	100 µg	A01429	\$335
THE™ Mouse Anti-DYKDDDDK mAb (HRP)	ELISA, WB, IP	NA	100 µg	A01428	\$335
AU1-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00628	\$50 \$225
Avi-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00674	\$50 \$225
B-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00638	\$50 \$225
CBP-tag Antibody, pAb, Rabbit	ELISA, WB	Mouse, rat, bovine, rabbit	40 µg 200 µg	A00635	\$50 \$225
cGFP-tag Antibody, mAb, Mouse	ELISA, WB	NA	40 µg 200 µg	A00185	\$50 \$225
c-Myc-tag Antibody [Biotin], pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00204	\$55 \$248
c-Myc-tag Antibody [HRP], pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00173	\$55 \$248
c-Myc-tag Antibody, pAb, Rabbit	ELISA, WB, IF, IP	NA	40 µg 200 µg	A00172	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Cre Recombinase Antibody, mAb, Mouse	ELISA, WB	NA	40 µg 200 µg	A00888	\$50 \$225
DDDDK-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00676	\$50 \$225
DYKDDDDK-tag Antibody, pAb, Rabbit	ELISA, WB, IF, FACS	NA	40 µg 200 µg	A00170	\$50 \$225
E2-tag Antibody [HRP], pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00876	\$55 \$248
E2-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00630	\$50 \$225
E-tag Antibody [HRP], pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00874	\$55 \$248
E-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00631	\$50 \$225
GFP Antibody [HRP], mAb, Mouse	ELISA, WB	NA	40 µg 200 µg	A00886	\$55 \$248
GFP Antibody, pAb, Rabbit	ELISA, WB, IP	NA	40 µg 200 µg	A01388	\$50 \$225
Glu-Glu-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00627	\$50 \$225
GST-tag Antibody [Biotin], pAb, Rabbit	ELISA, WB	Schistosoma japonicum	40 µg 200 µg	A00202	\$55 \$248
GST-tag Antibody [HRP], pAb, Goat	ELISA, WB	NA	40 µg 200 µg	A01380	\$55 \$248
GST-tag Antibody [HRP], pAb, Rabbit	ELISA, WB	Schistosoma japonicum	40 µg 200 µg	A00130	\$55 \$248
GST-tag Antibody, pAb, Goat	ELISA, WB	NA	40 µg 200 µg	A01379	\$50 \$225
GST-tag Antibody, pAb, Rabbit	ELISA, WB	Schistosoma japonicum	40 µg 200 µg	A00097	\$50 \$225
HA-tag Antibody [Biotin], pAb, Goat	ELISA, WB	NA	40 µg 200 µg	A00203	\$55 \$248
HA-tag Antibody [HRP], pAb, Goat	ELISA, WB	NA	40 µg 200 µg	A00169	\$55 \$248
HA-Tag Antibody, mAb, Mouse	ELISA, WB	NA	40 µg 200 µg	A00189	\$50 \$225
HA-tag Antibody, pAb, Goat	ELISA, WB, IF, IP	NA	40 µg 200 µg	A00168	\$50 \$225
HAT-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00636	\$50 \$225
His-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00174	\$50 \$225
HSV-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00624	\$50 \$225
KLH Antibody, mAb, Mouse	ELISA	NA	40 µg 200 µg	A01486	\$50 \$225
KT3 Antibody [HRP], pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00873	\$55 \$248
KT3-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00632	\$50 \$225
MAT-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00681	\$50 \$225
MBP-tag Antibody, mAb, Mouse	ELISA, WB	NA	40 µg 200 µg	A00190	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
NWSHPQFEK Antibody [HRP], pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00875	\$55 \$248
NWSHPQFEK Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00626	\$50 \$225
Protein A Antibody [HRP], pAb, Chicken	ELISA, WB	NA	40 µg 200 µg	A00729	\$75 \$333
Protein C-tag Antibody (HPC4), pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00637	\$50 \$225
RFP-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00682	\$50 \$225
S1-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00679	\$50 \$225
SNAP-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00684	\$50 \$225
SRT-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00725	\$50 \$225
S-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00625	\$50 \$225
SUMO-tag Antibody, pAb, Rabbit	ELISA, WB	NA	500 µg	A00640	\$145
T7-tag Antibody, pAb, Rabbit	WB	NA	40 µg 200 µg	A00622	\$50 \$225
Tag-100-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00677	\$50 \$225
TAP-tag Antibody [HRP], pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A01435	\$55 \$248
TAP-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00683	\$50 \$225
TF-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A01329	\$50 \$225
Trx-tag Antibody, mAb, Mouse	ELISA, WB	<i>E. coli</i> , human	40 µg 200 µg	A00180	\$50 \$225
Trx-tag Antibody, pAb, Goat	ELISA, WB	<i>E. coli</i> , human	40 µg 200 µg	A00129	\$50 \$225
Ty1-tag Antibody, pAb, Rabbit	ELISA, WB, IP	NA	40 µg 200 µg	A01004	\$50 \$225
Universal-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00680	\$50 \$225
V5-tag Antibody [HRP], pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00877	\$55 \$248
V5-tag Antibody, mAb, Mouse	ELISA, WB, IHC	NA	100 µg	A00641	\$120
V5-tag Antibody, pAb, Goat	ELISA, WB, IHC	NA	100 µg	A00099	\$125
V5-tag Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00623	\$50 \$225
VSV-G-tag Antibody [HRP], pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00872	\$55 \$248
VSV-G-tag Antibody, pAb, Rabbit	ELISA, WB, IP	NA	40 µg 200 µg	A00199	\$50 \$225

*: This product has not been tested with reactivity to other species.
NA: Not Available.


For more information on Epitope Tag Antibodies, visit http://www.genscript.com/epitope_antibody.html

Neuroscience Antibodies

- **Full coverage** of neurological disease pathways
- **Multiple Applications**—Western Blot (WB), Immunoprecipitation (IP), Immunohistochemistry (IHC), ELISA, and more.
- **MiniFresh® Trial Size Antibodies**—Most of our neuroscience antibodies are available in small packages at minimal cost.

The discovery of new potential drug targets, signaling molecules and structural proteins in the brain have dramatically increased the demand for high-quality neuroscience antibodies. The research on traditional targets and pathways will continue to focus on dopamine, beta amyloid, and serotonin. GenScript offers a wide range of tools, including pan and phospho-specific antibodies as well as peptides and proteins

geared toward different areas of neuroscience research. These antibodies, particularly those applicable to studies involving the various pathways leading to neurological diseases, are among the bio-reagents keenly sought by neuroscience researchers.

All GenScript's neuroscience antibodies are carefully purified prior to delivery. Most of our production processes involve affinity chromatography purification based on the relevant epitope, further ensuring the quality of antibodies. GenScript has a comprehensive collection of antibodies targeting Alzheimer's disease and other neurological diseases including Parkinson's disease, Huntington's disease, and amyotrophic lateral sclerosis.

Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
ADAM9 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg 200 µg	A01313	\$50 \$225
Alpha Interneixin Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg 200 µg	A01397	\$50 \$225
Amyloid Precursor Protein Antibody (292-312), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg 200 µg	A00693	\$50 \$225
Amyloid Precursor Protein Antibody (44-63), pAb, Rabbit	ELISA, WB, IF	Human, mouse	40 µg 200 µg	A00692	\$50 \$225
Amyloid Precursor Protein Antibody (653-662), pAb, Rabbit	ELISA, WB, IF	Human, mouse	40 µg 200 µg	A00694	\$50 \$225
Amyloid Precursor Protein Antibody (671-685), pAb, Rabbit	ELISA, WB, IF	Human, mouse	40 µg 200 µg	A00695	\$50 \$225
Amyloid Precursor Protein Antibody (747-761), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg 200 µg	A00696	\$50 \$225
Amyloid Precursor Protein Antibody (Ab-730), pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00966	\$50 \$225
APE1 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg 200 µg	A01205	\$50 \$225
APH1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg 200 µg	A00884	\$50 \$225
APP Antibody (Phospho-Thr ⁶⁶⁸), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A01026	\$69 \$311
APP Antibody (Phospho-Tyr ⁷⁵⁷), pAb, Rabbit	ELISA, WB	Human	40 µg	A00697	\$69
APP FM Antibody (339-348), pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00700	\$50 \$225
ATP1A1 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg 200 µg	A01483	\$50 \$225
BACE1 Antibody (26-45), pAb, Rabbit	ELISA, WB	Human	40 µg	A00878	\$50
BACE1 Antibody (46-65), pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00879	\$50 \$225
BACE1 Antibody (485-501), pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00880	\$50 \$225
BLBP Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A01422	\$50 \$225
Calbindin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human*	40 µg 200 µg	A01268	\$50 \$225
Calnexin Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg 200 µg	A01240	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Calnexin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg 200 µg	A01192	\$50 \$225
Calnexin Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A01234	\$50 \$225
CaMKII Antibody (Ab-286), pAb, Rabbit	WB, IF	Human, mouse	40 µg 200 µg	A00515	\$50 \$225
Caspr2 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg 200 µg	A01426	\$50 \$225
CDK5 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg 200 µg	A01438	\$50 \$225
C-Fos Antibody,pAb,Rabbit	WB	Human	40 µg 200 µg	A01512	\$50 \$225
C-Fos Antibody,pAb,Rabbit	WB	Human	40 µg 200 µg	A01513	\$50 \$225
CHRNA7 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg 200 µg	A01420	\$50 \$225
CNPase Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg 200 µg	A01308	\$50 \$225
Cofilin Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg 200 µg	A01277	\$50 \$225
Cofilin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse*	40 µg 200 µg	A01239	\$50 \$225
Connexin 32 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg 200 µg	A01312	\$50 \$225
Creatine kinase B Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg 200 µg	A01458	\$50 \$225
Creatine kinase M Antibody, pAb, Rabbit	WB	Mouse, rat *	40 µg 200 µg	A01472	\$50 \$225
Creatine kinase MB Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg 200 µg	A01456	\$50 \$225
CREB Antibody (Ab-129), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00519	\$50 \$225
CREB Antibody (Ab-133), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00286	\$50 \$225
CREB Antibody (Ab-142), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01182	\$50 \$225
CREB Antibody (Phospho-Ser ¹²⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00556	\$69 \$311
CREB Antibody (Phospho-Ser ¹³³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00267	\$69 \$311
CREB Antibody (Phospho-Ser ¹⁴²), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01181	\$69 \$311
DARPP-32 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg 200 µg	A01424	\$50 \$225
DJ-1 Antibody, pAb, Rabbit	ELISA, WB, IHC	Human*	40 µg 200 µg	A01207	\$50 \$225
DJ-1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg 200 µg	A01208	\$50 \$225
Doublecortin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat*	40 µg 200 µg	A01303	\$50 \$225
EEA1 Antibody,pAb,Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A01514	\$50 \$225
ERAB Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg 200 µg	A01095	\$50 \$225
GABRB1 Antibody (Ab-434), pAb, Rabbit	WB	Human	40 µg 200 µg	A01231	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
GAD65+GAD67 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg 200 µg	A01437	\$50 \$225
GAP43 Antibody (Ab-41), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg 200 µg	A01046	\$50 \$225
GAP-43 Antibody, pAb, Rabbit	ELISA, WB	Mouse, rat*	40 µg 200 µg	A01414	\$50 \$225
GAP-43 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg 200 µg	A01441	\$50 \$225
GFAP Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, rat*	40 µg 200 µg	A01309	\$50 \$225
GluR1 Antibody (Ab-849), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A01043	\$50 \$225
GluR1 Antibody (Phospho-Ser ⁸⁴⁹), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A01028	\$69 \$311
Glutamine Synthetase Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat	40 µg 200 µg	A01305	\$50 \$225
HtrA2 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg 200 µg	A01427	\$50 \$225
Huntingtin Antibody, mAb, Mouse	WB, IHC	Human, mouse	100 µg	A00089	\$259
Ki-67 Antibody, pAb, Rabbit	IHC	Human	40 µg 200 µg	A01495	\$50 \$225
MARCKS Antibody (Ab-162), pAb, Rabbit	WB	Human	100 µg	A00536	\$172
MELK Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg 200 µg	A01390	\$50 \$225
Merlin Antibody (Ab-518), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00533	\$50 \$225
Merlin Antibody (Phospho-Ser ⁵¹⁸), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00549	\$69 \$311
mGluR5 Antibody, pAb, Rabbit	WB	Human	40 µg 200 µg	A01493	\$50 \$225
Myelin Basic Protein Antibody, pAb, Rabbit	ELISA, WB	Mouse, rat*	40 µg 200 µg	A01407	\$50 \$225
NCAM Antibody, pAb, Rabbit	ELISA, WB	Mouse, rat*	40 µg 200 µg	A01415	\$50 \$225
Nestin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg 200 µg	A01413	\$50 \$225
Neurofascin Antibody, pAb, Rabbit	ELISA, WB	Mouse, rat*	40 µg 200 µg	A01377	\$50 \$225
Neuroserpin Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg 200 µg	A01482	\$50 \$225
Nicastrin Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00883	\$50 \$225
NMDAR1 Antibody (Ab-896), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A01149	\$50 \$225
NMDAR1 Antibody (Phospho-Ser ⁸⁹⁶), pAb, Rabbit	WB	Human	40 µg 200 µg	A00486	\$69 \$311
NSE Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat*	40 µg 200 µg	A01405	\$50 \$225
NSE Antibody, pAb, Rabbit	ELISA, WB, IHC, IP	Human, mouse, rat*	40 µg 200 µg	A01406	\$50 \$225
NSE Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat*	40 µg 200 µg	A01412	\$50 \$225
NSG1 Antibody, pAb, Rabbit	ELISA, WB, IP	Human, mouse, rat*	40 µg 200 µg	A01442	\$50 \$225
OLIG2 Antibody, pAb, Rabbit	WB	Human, mouse, rat *	40 µg 200 µg	A01474	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
p35 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg 200 µg	A01423	\$50 \$225
Parkin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat*	40 µg 200 µg	A01250	\$50 \$225
Parvalbumin Antibody, pAb, Rabbit	ELISA, WB, IP	Human, mouse, rat*	40 µg 200 µg	A01439	\$50 \$225
PEN2 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00882	\$50 \$225
PGP9.5 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg 200 µg	A01398	\$50 \$225
PIN1 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg 200 µg	A01090	\$50 \$225
PLCy1 Antibody (Ab-771), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A01260	\$50 \$225
PLC-γ2 Antibody (Ab-1217), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01294	\$50 \$225
PON2 Antibody, pAb, Rabbit	WB	NA	40 µg 200 µg	A00816	\$50 \$225
Presenilin 1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg 200 µg	A00881	\$50 \$225
Presenilin 2 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00943	\$50 \$225
PSD95 Antibody, pAb, Rabbit	WB	Mouse, rat	40 µg 200 µg	A01501	\$50 \$225
Rab5 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg 200 µg	A01302	\$50 \$225
SAA1 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00944	\$50 \$225
Serum Amyloid P Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00701	\$50 \$225
SNAP25 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg 200 µg	A01445	\$50 \$225
Synapsin Antibody (Ab-9), pAb, Rabbit	WB	Human	40 µg 200 µg	A00531	\$50 \$225
Synapsin Antibody (Phospho-Ser ⁹), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00551	\$69 \$311
Synaptophysin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat	40 µg 200 µg	A01307	\$50 \$225
Synaptotagmin I/II Antibody (Ab-202/199), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A01170	\$50 \$225
Tau Antibody (Ab-181), pAb, Rabbit	WB	Human	40 µg 200 µg	A00397	\$50 \$225
Tau Antibody (Ab-205), pAb, Rabbit	WB	Human	40 µg 200 µg	A00398	\$50 \$225
Tau Antibody (Ab-212), pAb, Rabbit	WB	Human, rat	40 µg 200 µg	A00545	\$50 \$225
Tau Antibody (Ab-217), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg 200 µg	A00942	\$50 \$225
Tau Antibody (Ab-231), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00400	\$50 \$225
Tau Antibody (Ab-235), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A00393	\$50 \$225
Tau Antibody (Ab-262), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A00600	\$50 \$225
Tau Antibody (Ab-396), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00389	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Tau Antibody (Ab-404), pAb, Rabbit	WB	Human	40 µg 200 µg	A00401	\$50 \$225
Tau Antibody (Ab-422), pAb, Rabbit	WB	Human, rat	100 µg	A00522	\$172
Tau Antibody (Phospho-Ser ¹⁹⁹), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg 200 µg	A00894	\$69 \$311
Tau Antibody (Phospho-Ser ²¹⁴), pAb, Rabbit	WB	Human, mouse, rat	100 µg	A00488	\$240
Tau Antibody (Phospho-Ser ²³⁵), pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg 200 µg	A01096	\$69 \$311
Tau Antibody (Phospho-Ser ²⁶²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00489	\$69 \$311
Tau Antibody (Phospho-Ser ⁴⁰⁰), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg 200 µg	A00898	\$69 \$311
Tau Antibody (Phospho-Ser ⁴⁰⁹), pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00899	\$69 \$311
Tau Antibody (Phospho-Ser ⁴²²), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A01148	\$69 \$311
Tau Antibody (Phospho-Ser ⁴²²), pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00900	\$69 \$311
Tau Antibody (Phospho-Thr ²¹²), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A01147	\$69 \$311
Tau Antibody (Phospho-Thr ²¹⁷), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg 200 µg	A00896	\$69 \$311
Tau Antibody (Phospho-Ser ²⁶²), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg 200 µg	A01099	\$50 \$225
Tau Antibody (Phospho-Ser ³⁵⁶), pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A01048	\$50 \$225
Tau Antibody (Phospho-Ser ³⁹⁶), pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg 200 µg	A01387	\$50 \$225
Tau Antibody (Phospho-Ser ⁴⁰⁰), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg 200 µg	A01049	\$50 \$225
Tau Antibody (Phospho-Ser ⁴⁰⁹), pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A01050	\$50 \$225
Tau Antibody (Phospho-Ser ⁴²²), pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A01051	\$50 \$225
TDP43 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse rat*	40 µg 200 µg	A01304	\$50 \$225
TrkA Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg 200 µg	A01403	\$50 \$225
TrkA Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg 200 µg	A01404	\$50 \$225
TrkB Antibody (Phospho-Tyr ⁷⁰⁵), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A01186	\$69 \$311
Vimentin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human*	40 µg 200 µg	A01189	\$50 \$225
α-Synuclein Antibody (Phospho-Ser ¹²⁹), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A01144	\$69 \$311
β-Amyloid Antibody (1-17), pAb, Rabbit	ELISA, WB, IF	Human	40 µg 200 µg	A00685	\$50 \$225
β-Amyloid Antibody (1-40), pAb, Rabbit	ELISA, WB, IF	Human	40 µg 200 µg	A00688	\$50 \$225
β-Amyloid Antibody (25-35), pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00687	\$50 \$225
β-Amyloid Antibody (32-40), pAb, Rabbit	ELISA, WB, IF	Human	40 µg	A00689	\$89
β-Catenin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg 200 µg	A01235	\$50 \$225

*: This product has not been tested with reactivity to other species.
 NA: Not Available



For more information on Neuroscience Antibodies, visit http://www.genscript.com/neuroscience_antibodies_overview.html

Cell Marker/Cell Surface Antigen Antibodies

Cell markers/cell surface antigens serve as a monogram to help identify and classify cells. The majority of them are molecules or antigens within cells' plasma membrane. Unique to different cell types, there are specific combinations of markers or antigens. These molecules serve as not merely markers, they also have

key functional roles. It is possible to diagnose disease or direct treatment by identifying which molecules are present. GenScript offers a wide variety of antibodies relevant to cell markers/cell surface antigens of various species, including human, mouse, and *etc.*

Product Overview:

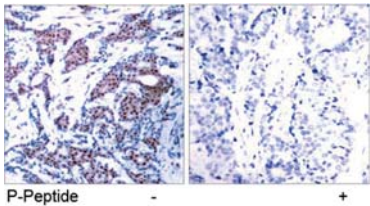
Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Calreticulin Antibody, pAb, Rabbit	WB	Human*	40 µg	A01443	\$50
			200 µg		\$225
C-Fos Antibody, pAb, Rabbit	WB	Human	40 µg	A01512	\$50
			200 µg		\$225
C-Fos Antibody, pAb, Rabbit	WB	Human	40 µg	A01513	\$50
			200 µg		\$225
CNPase Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01308	\$50
			200 µg		\$225
Cytochrome C Antibody, pAb, Rabbit	WB	Human, mouse	40 µg	A01507	\$50
			200 µg		\$225
EB1 Antibody, pAb, Rabbit	WB	Human	40 µg	A00678	\$50
			200 µg		\$225
EEA1 Antibody, pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01514	\$50
			200 µg		\$225
Fibrillarin Antibody, pAb, Rabbit	WB	Human*	40 µg	A01462	\$50
			200 µg		\$225
GAD65 Antibody, pAb, Rabbit	WB	NA	40 µg	A01496	\$50
			200 µg		\$225
GFAP Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, rat*	40 µg	A01309	\$50
			200 µg		\$225
GRP94 Antibody, pAb, Rabbit	WB	Human	40 µg	A01510	\$50
			200 µg		\$225
Ki-67 Antibody, pAb, Rabbit	IHC	Human	40 µg	A01495	\$50
			200 µg		\$225
Lamin A+C Antibody, pAb, Rabbit	WB	Human, mouse*	40 µg	A01455	\$50
			200 µg		\$225
PDI Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01434	\$50
			200 µg		\$225

*: This product has not been tested with reactivity to other species.
NA: Not available.

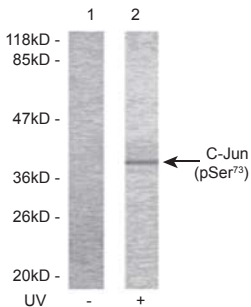
Phospho-Specific Antibodies

GenScript's phospho-specific antibodies are affinity-purified and do not cross react with non-phosphorylated forms of proteins. Phospho-specific antibodies detect only the phosphorylated forms of proteins in a complex protein mixture within cells. They recognize the phosphorylated amino acids in the context of the surrounding amino acid sequence. Using a combination of a pan-antibody (that recognizes both phosphorylated and non-phosphorylated forms of the protein) and a phospho-specific antibody, it is possible to assess the degree of phosphorylation for any given protein.

GenScript offers phospho-specific/pan antibody pairs that are suitable for many tasks, including Western blot analysis, ELISA, and immunocytochemical assays. We also provide blocking peptides for most of our phospho-specific and pan antibodies. These peptides can be used to confirm that the observed signal is due to the antibody's interaction with target antigen, as opposed to non-specific binding.



A. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using c-Jun Antibody (Phospho-Ser⁷³), pAb, Rabbit.



B. Western blot analysis of extract from Hela cells using c-Jun Antibody (Phospho-Ser⁷³), pAb, Rabbit.

Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
14-3-3 ζ Antibody (Ab-58), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00662	\$50
			200 µg		\$225
14-3-3 ζ Antibody (Phospho-Ser ⁵⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00919	\$69
			200 µg		\$311
4E-BP1 Antibody (Ab-36), pAb, Rabbit	WB, IHC	Human	40 µg	A00460	\$50
			200 µg		\$225
4E-BP1 Antibody (Ab-45), pAb, Rabbit	WB, IHC ,IF	Human	40 µg	A00461	\$50
			200 µg		\$225
4E-BP1 Antibody (Phospho-Thr ³⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00329	\$69
			200 µg		\$311
4E-BP1 Antibody (Phospho-Thr ⁴⁵), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00328	\$69
			200 µg		\$311
58K Golgi protein Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01433	\$50
			200 µg		\$225
ABL1/2 Antibody (Ab-393/429), pAb, Rabbit	IHC, IF	Human	40 µg	A01262	\$50
			200 µg		\$225
ABL1/2 Antibody (Phospho-Tyr ^{393/429}), pAb, Rabbit	IHC, IF	Human	40 µg	A01272	\$69
			200 µg		\$311
ADAM9 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A01313	\$50
			200 µg		\$225
ADD1 Antibody (Ab-726), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00925	\$50
			200 µg		\$225
ADD1 Antibody (Phospho-Ser ⁷²⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00920	\$69
			200 µg		\$311
AFX Antibody (Ab-197), pAb, Rabbit	WB, IHC	Human	40 µg	A00445	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
AFX Antibody (Phospho-Ser ¹⁹⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00372	\$69
			200 µg		\$311
Akt Antibody (Ab-308), pAb, Rabbit	WB, IHC	Human	40 µg	A00304	\$50
			200 µg		\$225
Akt Antibody (Ab-473), pAb, Rabbit	WB, IHC	Human	40 µg	A00301	\$50
			200 µg		\$225
Akt Antibody (Phospho-Ser ⁴⁷³), pAb, Rabbit	WB, IHC	Human	40 µg	A00272	\$69
			200 µg		\$311
Akt Antibody (Phospho-Ser ⁴⁷³), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A00965	\$69
			200 µg		\$311
Akt Antibody (Phospho-Thr ³⁰⁸), pAb, Rabbit	WB, IHC, IF	Human,mouse,rat	40 µg	A00275	\$69
			200 µg		\$311
AKT1 Antibody (Ab-450), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01293	\$50
			200 µg		\$225
AKT1 Antibody (Phospho-Thr ⁴⁵⁰), pAb, Rabbit	IHC, IF	Human	40 µg	A01291	\$69
			200 µg		\$311
AKT1/AKT2 Antibody (Ab-308/309), pAb, Rabbit	IHC	Human	40 µg	A01252	\$50
			200 µg		\$225
AKT1/AKT2/AKT3 Antibody (Ab-315/316/312), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A01227	\$50
			200 µg		\$225
AKT1/AKT2/AKT3 Antibody (Phospho-Tyr ^{315/316/312}), pAb, Rabbit	IHC, IF	Human	40 µg	A01217	\$69
			200 µg		\$311
Akt2 Antibody (Ab-474), pAb, Rabbit	WB, IHC	Human	40 µg	A00441	\$50
			200 µg		\$225
Akt2 Antibody (Phospho-Ser ⁴⁷⁴), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00385	\$69
			200 µg		\$311
Alpha Internexin Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01397	\$50
			200 µg		\$225
AMPK1 Antibody (Ab-174), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00664	\$50
			200 µg		\$225
AMPK1 Antibody (Phospho-Thr ¹⁷⁴), pAb, Rabbit	IHC	Human	40 µg	A00665	\$69
			200 µg		\$311
AMPK1/AMPK2 Antibody (Phospho-Ser ^{485/491}), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00345	\$69
			200 µg		\$311
Amyloid Precursor Protein Antibody (292-312), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00693	\$50
			200 µg		\$225
Amyloid Precursor Protein Antibody (44-63), pAb, Rabbit	ELISA, WB, IF	Human, mouse	40 µg	A00692	\$50
			200 µg		\$225
Amyloid Precursor Protein Antibody (653-662), pAb, Rabbit	ELISA, WB, IF	Human, mouse	40 µg	A00694	\$50
			200 µg		\$225
Amyloid Precursor Protein Antibody (671-685), pAb, Rabbit	ELISA, WB, IF	Human, mouse	40 µg	A00695	\$50
			200 µg		\$225
Amyloid Precursor Protein Antibody (747-761), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00696	\$50
			200 µg		\$225
Amyloid Precursor Protein Antibody (Ab-730), pAb, Rabbit	ELISA, WB	Human	40 µg	A00966	\$50
			200 µg		\$225
Androgen Receptor Antibody (Phospho-Ser ²¹³), pAb, Rabbit	WB, IF	Human	40 µg	A01143	\$69
			200 µg		\$311
Androgen Receptor Antibody (Phospho-Ser ⁶⁵⁰), pAb, Rabbit	IHC	Human	40 µg	A01157	\$69
			200 µg		\$311
Annexin II Antibody, pAb, Rabbit	WB	Human*	40 µg	A01471	\$50
			200 µg		\$225
AP2M1 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01247	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
APE1 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01205	\$50
			200 µg		\$225
APH1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00884	\$50
			200 µg		\$225
APP Antibody (Phospho-Thr ⁶⁶⁸), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01026	\$69
			200 µg		\$311
APP Antibody (Phospho-Tyr ⁷⁵⁷), pAb, Rabbit	ELISA, WB	Human	40 µg	A00697	\$69
			200 µg		\$311
APP FM Antibody (339-348), pAb, Rabbit	ELISA, WB	Human	40 µg	A00700	\$50
			200 µg		\$225
ASK1 Antibody (Ab-83), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00422	\$50
			200 µg		\$225
ASK1 Antibody (Ab-966), pAb, Rabbit	IHC, IF	Human	40 µg	A00425	\$50
			200 µg		\$225
ASK1 Antibody (Phospho-Ser ⁸³), pAb, Rabbit	WB, IHC	Human	40 µg	A00341	\$69
			200 µg		\$311
ASK1 Antibody (Phospho-Ser ⁹⁶⁶), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00340	\$69
			200 µg		\$311
ATF-2 Antibody (Ab-51/69), pAb, Rabbit	WB, IHC	Human	40 µg	A00258	\$50
			200 µg		\$225
ATF-2 Antibody (Ab-55/73), pAb, Rabbit	WB, IHC	Human	40 µg	A00260	\$50
			200 µg		\$225
ATF-2 Antibody (Ab-62/44), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00257	\$50
			200 µg		\$225
ATF-2 Antibody (Ab-71/53), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00259	\$50
			200 µg		\$225
ATF-2 Antibody (Ab-94/112), pAb, Rabbit	WB, IHC	Human	40 µg	A00261	\$50
			200 µg		\$225
ATF-2 Antibody (Phospho-Ser ^{112/94}), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00476	\$69
			200 µg		\$311
ATF-2 Antibody (Phospho-Ser ^{62/44}), pAb, Rabbit	IHC	Human, mouse, rat	100 µg	A00473	\$240
			200 µg		\$240
ATF-2 Antibody (Phospho-Thr ^{69/51}), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00474	\$69
			200 µg		\$311
ATF-2 Antibody (Phospho-Thr ^{71/53}), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00241	\$69
			200 µg		\$311
ATF-2 Antibody (Phospho-Thr ^{73/55}), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00475	\$69
			200 µg		\$311
ATF-4 Antibody (Ab-245), pAb, Rabbit	IHC	Human	40 µg	A00300	\$50
			200 µg		\$225
ATF-4 Antibody (Phospho-Ser ²⁴⁵), pAb, Rabbit	IHC	Human	40 µg	A00269	\$69
			200 µg		\$311
ATM Antibody (Ab-1981), pAb, Rabbit	WB, IF	Human	40 µg	A01222	\$50
			200 µg		\$225
ATM Antibody (Phospho-Ser ¹⁹⁸¹), pAb, Rabbit	IHC	Human, mouse	40 µg	A00437	\$69
			200 µg		\$311
ATP1A1 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01483	\$50
			200 µg		\$225
AuroraA Antibody (Phospho-Thr ²⁸⁸), pAb, Rabbit	IHC	Human	40 µg	A01292	\$69
			200 µg		\$311
BACE1 Antibody (26-45), pAb, Rabbit	ELISA, WB	Human	40 µg	A00878	\$50
			200 µg		\$225
BACE1 Antibody (46-65), pAb, Rabbit	ELISA, WB	Human	40 µg	A00879	\$50
			200 µg		\$225
BACE1 Antibody (485-501), pAb, Rabbit	ELISA, WB	Human	40 µg	A00880	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
BAD Antibody (Ab-112), pAb, Rabbit	WB, IHC	Human	40 µg	A00309	\$50
			200 µg		\$225
BAD Antibody (Ab-136), pAb, Rabbit	WB, IHC	Human	40 µg	A00310	\$50
			200 µg		\$225
BAD Antibody (Ab-155), pAb, Rabbit	WB, IHC	Human	40 µg	A00311	\$50
			200 µg		\$225
BAD Antibody (Phospho-Ser ¹¹²), pAb, Rabbit	WB, IHC	Human,mouse,rat	40 µg	A00295	\$69
			200 µg		\$311
BAD Antibody (Phospho-Ser ¹³⁶), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A01156	\$69
			200 µg		\$311
BAD Antibody (Phospho-Ser ¹⁵⁵), pAb, Rabbit	WB, IHC	Human,mouse,rat	40 µg	A00296	\$69
			200 µg		\$311
BCL-2 Antibody (Ab-56), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00306	\$50
			200 µg		\$225
BCL-2 Antibody (Ab-70), pAb, Rabbit	WB, IHC	Human	40 µg	A00307	\$50
			200 µg		\$225
BCL-2 Antibody (Phospho-Ser ⁷⁰), pAb, Rabbit	ELISA, IHC	Human	40 µg	A00293	\$69
			200 µg		\$311
BCL-2 Antibody (Phospho-Thr ⁶⁶), pAb, Rabbit	WB, IHC	Human	40 µg	A00292	\$69
			200 µg		\$311
BCL-XL Antibody (Ab-62), pAb, Rabbit	WB	Human	40 µg	A00308	\$50
			200 µg		\$225
BCL-XL Antibody (Phospho-Ser ⁶²), pAb, Rabbit	WB, IHC, IF	Human,mouse,rat	40 µg	A00294	\$69
			200 µg		\$311
Bcr Antibody (Ab-177), pAb, Rab)bit	WB, IF	Human	40 µg	A00589	\$50
			200 µg		\$225
Bcr Antibody (Phospho-Tyr ¹¹⁷), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00496	\$69
			200 µg		\$311
BIM Antibody (Ab-69), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00514	\$50
			200 µg		\$225
BIM Antibody (Phospho-Ser ⁶⁹), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00566	\$69
			200 µg		\$311
BLBP Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A01422	\$50
			200 µg		\$225
BRCA1 Antibody (Ab-1423), pAb, Rabbit	WB, IHC	Human	40 µg	A00567	\$50
			200 µg		\$225
BRCA1 Antibody (Phospho-Ser ¹⁴²³), pAb, Rabbit	WB, IHC	Human	40 µg	A00523	\$69
			200 µg		\$311
BRCA1 Antibody (Phospho-Ser ¹⁵⁴²), pAb, Rabbit	IHC	Human	40 µg	A00490	\$69
			200 µg		\$311
c-Abl Antibody (Ab-412), pAb, Rabbit	IHC	Human	40 µg	A00442	\$50
			200 µg		\$225
c-Abl Antibody (Phospho-Tyr ⁴¹²), pAb, Rabbit	IHC, IF	Human, mouse	40 µg	A00384	\$69
			200 µg		\$311
Calbindin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human*	40 µg	A01268	\$50
			200 µg		\$225
Calnexin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01192	\$50
			200 µg		\$225
Calnexin Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A01234	\$50
			200 µg		\$225
Calnexin Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01240	\$50
			200 µg		\$225
Calreticulin Antibody, pAb, Rabbit	WB	Human*	40 µg	A01443	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
CaMKII Antibody (Ab-286), pAb, Rabbit	WB, IF	Human, mouse	40 µg	A00515	\$50
			200 µg		\$225
CaMKII Antibody (Phospho-Thr ²⁸⁶), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00563	\$69
			200 µg		\$311
cAMP Antibody, pAb, Rabbit	ELISA	NA	40 µl	A00614	\$85
			200 µl		\$400
CARM1 Antibody (Ab-228), pAb, Rabbit	WB, IF	Human	40 µg	A00932	\$50
			200 µg		\$225
CARM1 Antibody (Phospho-Ser ²²⁸), pAb, Rabbit	WB, IF	Human	40 µg	A00924	\$69
			200 µg		\$311
Caspr2 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg	A01426	\$50
			200 µg		\$225
Catenin Antibody (Ab-33), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00584	\$50
			200 µg		\$225
Caveolin-1 Antibody (Ab-14), pAb, Rabbit	WB	Human, mouse	40 µg	A00413	\$50
			200 µg		\$225
Caveolin-1 Antibody (Phospho-Tyr ¹⁴), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00394	\$69
			200 µg		\$311
c-Cbl Antibody (Phospho-Tyr ⁷⁰⁰), pAb, Rabbit	IHC, IF	Human	40 µg	A01276	\$69
			200 µg		\$311
CDC2 Antibody (Ab-15), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00565	\$50
			200 µg		\$225
CDC2 Antibody (Ab-161), pAb, Rabbit	WB, IF	Human	100 µg	A00599	\$172
			40 µg	A01295	\$50
cdc2 Antibody (Ab-19), pAb, Rabbit	IHC	Human	200 µg		\$225
CDC2 Antibody (Phospho-Thr ¹⁶¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00374	\$69
			200 µg		\$311
CDC2 Antibody (Phospho-Tyr ¹⁵), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00524	\$69
			200 µg		\$311
cdc25A Antibody (Ab-76), pAb, Rabbit	WB	Human	40 µg	A00446	\$50
			200 µg		\$225
cdc25A Antibody (Phospho-Ser ⁷⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00439	\$69
			200 µg		\$311
cdc25C Antibody (Ab-216), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00433	\$50
			200 µg		\$225
cdc25C Antibody (Phospho-Ser ²¹⁶), pAb, Rabbit	IHC, IF	Human	40 µg	A00420	\$69
			200 µg		\$311
CDK5 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01438	\$50
			200 µg		\$225
CDK6 Antibody (Ab-13), pAb, Rabbit	IHC, IF	Human	40 µg	A01264	\$50
			200 µg		\$225
CDK6 Antibody (Ab-24), pAb, Rabbit	IHC	Human	40 µg	A01265	\$50
			200 µg		\$225
CDK6 Antibody (Phospho-Tyr ²⁴), pAb, Rabbit	IHC, IF	Human	40 µg	A01274	\$69
			200 µg		\$311
C-Fos Antibody, pAb, Rabbit	WB	Human	40 µg	A01512	\$50
			200 µg		\$225
C-Fos Antibody, pAb, Rabbit	WB	Human	40 µg	A01513	\$50
			200 µg		\$225
Chk1 Antibody (Ab-317), pAb, Rabbit	WB, IHC	Human	40 µg	A00608	\$50
			200 µg		\$225
Chk1 Antibody (Phospho-Ser ²⁹⁶), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00727	\$69
			200 µg		\$311
Chk1 Antibody (Phospho-Ser ²⁸⁰), pAb, Rabbit	ELISA, WB	Human*	40 µg	A01179	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Chk2 Antibody (Ab-33), pAb, Rabbit	IHC	Human	40 µg	A01261	\$50
			200 µg		\$225
Chk2 Antibody (Ab-68), pAb, Rabbit	WB, IHC	Human	40 µg	A00388	\$50
Chk2 Antibody (Phospho-Ser ⁵¹⁶), pAb, Rabbit	WB	Human	40 µg	A00365	\$69
			200 µg		\$311
CHRNA7 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01420	\$50
			200 µg		\$225
c-Jun Antibody (Ab-170), pAb, Rabbit	WB, IHC	Human	40 µg	A00587	\$50
			200 µg		\$225
c-Jun Antibody (Ab-239), pAb, Rabbit	WB, IHC	Human	40 µg	A00235	\$50
			200 µg		\$225
c-Jun Antibody (Ab-243), pAb, Rabbit	WB, IHC	Human	40 µg	A00238	\$50
			200 µg		\$225
c-Jun Antibody (Ab-63), pAb, Rabbit	WB	Human, mouse	40 µg	A00580	\$50
			200 µg		\$225
c-Jun Antibody (Ab-73), pAb, Rabbit	WB, IHC	Human	40 µg	A00197	\$50
			200 µg		\$225
c-Jun Antibody (Ab-91), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00231	\$50
			200 µg		\$225
c-Jun Antibody (Ab-93), pAb, Rabbit	WB, IHC	Human	40 µg	A00233	\$50
			200 µg		\$225
c-Jun Antibody (Phospho-Ser ²⁴³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00237	\$69
			200 µg		\$311
c-Jun Antibody (Phospho-Ser ⁶³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00466	\$69
			200 µg		\$311
c-Jun Antibody (Phospho-Ser ⁷³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00194	\$69
			200 µg		\$311
c-Jun Antibody (Phospho-Thr ²³⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00236	\$69
			200 µg		\$311
c-Jun Antibody (Phospho-Thr ⁹¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00232	\$69
			200 µg		\$311
c-Jun Antibody (Phospho-Thr ⁶³), pAb, Rabbit	WB, IHC	NA	40 µg	A00234	\$69
			200 µg		\$311
c-Jun Antibody (Phospho-Tyr ¹⁷⁰), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00471	\$69
			200 µg		\$311
c-Kit Antibody (Ab-721), pAb, Rabbit	WB	Human	40 µg	A01166	\$50
			200 µg		\$225
c-Kit Antibody (Phospho-Tyr ⁹³⁶), pAb, Rabbit	IHC	Human	40 µg	A01273	\$69
			200 µg		\$311
CNPase Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01308	\$50
			200 µg		\$225
Cofilin Antibody (Ab-3), pAb, Rabbit	WB, IHC	Human	40 µg	A00447	\$50
			200 µg		\$225
Cofilin Antibody (Phospho-Ser ³), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00369	\$69
			200 µg		\$311
Cofilin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse*	40 µg	A01239	\$50
			200 µg		\$225
Cofilin Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01277	\$50
			200 µg		\$225
Cofilin1/Cofilin2 Antibody (Ab-88), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01254	\$50
			200 µg		\$225
Connexin 30 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00892	\$50
			200 µg		\$225
Connexin 32 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A01312	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Connexin 43 Antibody (Ab-367), pAb, Rabbit	WB, IHC	Human	40 µg	A00544	\$50
			200 µg		\$225
Connexin 43 Antibody (Phospho-Ser ³⁶⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00541	\$69
			200 µg		\$311
Cortactin Antibody (Ab-421), pAb, Rabbit	IHC	Human, mouse	40 µg	A00521	\$50
			200 µg		\$225
Cortactin Antibody (Ab-466), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00520	\$50
			200 µg		\$225
Cortactin Antibody (Phospho-Tyr ⁴⁶⁶), pAb, Rabbit	WB	Human, mouse	40 µg	A00644	\$69
			200 µg		\$311
Creatine kinase B Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01458	\$50
			200 µg		\$225
Creatine kinase M Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg	A01472	\$50
			200 µg		\$225
Creatine kinase MB Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01456	\$50
			200 µg		\$225
CREB Antibody (Ab-129), pAb, Rabbit	WB, IHC	Human	40 µg	A00519	\$50
			200 µg		\$225
CREB Antibody (Ab-133), pAb, Rabbit	WB, IHC	Human	40 µg	A00286	\$50
			200 µg		\$225
CREB Antibody (Ab-142), pAb, Rabbit	IHC	Human	40 µg	A01182	\$50
			200 µg		\$225
CREB Antibody (Phospho-Ser ¹²⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00556	\$69
			200 µg		\$311
CREB Antibody (Phospho-Ser ¹³³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00267	\$69
			200 µg		\$311
CREB Antibody (Phospho-Ser ¹⁴²), pAb, Rabbit	IHC	Human	40 µg	A01181	\$69
			200 µg		\$311
Cytochrome C Antibody, pAb, Rabbit	WB	Human, mouse.	40 µg	A01507	\$50
			200 µg		\$225
DARPP-32 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg	A01424	\$50
			200 µg		\$225
DJ-1 Antibody, pAb, Rabbit	ELISA, WB, IHC	Human*	40 µg	A01207	\$50
			200 µg		\$225
DJ-1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01208	\$50
			200 µg		\$225
DNA PKcs Antibody (Ab-2609), pAb, Rabbit	WB	Human, mouse	40 µg	A00591	\$50
			200 µg		\$225
DNA PKcs Antibody (Phospho-Thr ²⁶⁰⁹), pAb, Rabbit	WB	Human	40 µg	A00494	\$69
			200 µg		\$311
Doublecortin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat*	40 µg	A01303	\$50
			200 µg		\$225
EB1 Antibody, pAb, Rabbit	WB	Human	40 µg	A00678	\$50
			200 µg		\$225
EEA1 Antibody, pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01514	\$50
			200 µg		\$225
EGFR Antibody (Ab-1070), pAb, Rabbit	WB, IHC	Human	40 µg	A00344	\$50
			200 µg		\$225
EGFR Antibody (Ab-1092), pAb, Rabbit	WB, IHC	Human	40 µg	A00346	\$50
			200 µg		\$225
EGFR Antibody (Ab-1110), pAb, Rabbit	WB, IHC	Human	40 µg	A00538	\$50
			200 µg		\$225
EGFR Antibody (Ab-1172), pAb, Rabbit	WB	Human	40 µg	A00661	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
EGFR Antibody (Ab-1197), pAb, Rabbit	WB	Human	40 µg	A00578	\$50
			200 µg		\$225
EGFR Antibody (Ab-678), pAb, Rabbit	WB	Human	40 µg	A00666	\$50
			200 µg		\$225
EGFR Antibody (Ab-869), pAb, Rabbit	WB, IHC	Human	40 µg	A00577	\$50
			200 µg		\$225
EGFR Antibody (Phospho-Ser ¹⁰⁷⁰), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00320	\$69
			200 µg		\$311
EGFR Antibody (Phospho-Thr ⁶⁷⁸), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00667	\$69
			200 µg		\$311
EGFR Antibody (Phospho-Thr ⁶⁹³), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00668	\$69
			200 µg		\$311
EGFR Antibody (Phospho-Tyr ¹⁰⁹²), pAb, Rabbit	WB, IHC	Human,mouse, rat	40 µg	A00361	\$69
			200 µg		\$311
EGFR Antibody (Phospho-Tyr ¹¹¹⁰), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00548	\$69
			200 µg		\$311
EGFR Antibody (Phospho-Tyr ¹¹⁷²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00501	\$69
			200 µg		\$311
EGFR Antibody (Phospho-Tyr ¹¹⁹⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00502	\$69
			200 µg		\$311
EGFR Antibody (Phospho-Tyr ⁸⁶⁹), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00271	\$69
			200 µg		\$311
eIF2α Antibody (Ab-51), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00518	\$50
			200 µg		\$225
eIF2α Antibody (Phospho-Ser ⁴⁹), pAb, Rabbit	IHC, IF	Human	40 µg	A01270	\$69
			200 µg		\$311
eIF2α Antibody (Phospho-Ser ⁵¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00559	\$69
			200 µg		\$311
eIF4E Antibody (Ab-209), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00574	\$50
			200 µg		\$225
eIF4E Antibody (Phospho-Ser ²⁰⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00504	\$69
			200 µg		\$311
eIF4G Antibody (Ab-1232), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01228	\$50
			200 µg		\$225
eIF4G Antibody (Phospho-Ser ¹²³²), pAb, Rabbit	WB, IHC	Human	40 µg	A01218	\$69
			200 µg		\$311
Elk-1 Antibody (Ab-383), pAb, Rabbit	WB, IHC	Human	40 µg	A00198	\$50
			200 µg		\$225
Elk-1 Antibody (Ab-389), pAb, Rabbit	IHC, IF	Human	40 µg	A00266	\$50
			200 µg		\$225
Elk-1 Antibody (Ab-417), pAb, Rabbit	IHC	Human	40 µg	A00592	\$50
			200 µg		\$225
Elk-1 Antibody (Phospho-Ser ³⁸³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00195	\$69
			200 µg		\$311
Elk-1 Antibody (Phospho-Ser ³⁸⁹), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00245	\$69
			200 µg		\$311
Elk-1 Antibody (Phospho-Thr ⁴¹⁷), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00246	\$69
			200 µg		\$311
eNOS Antibody (Ab-1177), pAb, Rabbit	WB, IF	Human	40 µg	A01152	\$50
			200 µg		\$225
eNOS Antibody (Phospho-Ser ¹¹⁷⁷), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A01158	\$69
			200 µg		\$311
Ephrin-B2 Antibody (Ab-316), pAb, Rabbit	WB	Human	40 µg	A00669	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Ephrin-B2 Antibody (Ab-330), pAb, Rabbit	WB, IF	Human	40 µg	A00670	\$50
			200 µg		\$225
ERAB Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01095	\$50
			200 µg		\$225
Estrogen Receptor Beta Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00939	\$50
			200 µg		\$225
Estrogen Receptor-α Antibody (Ab-104), pAb, Rabbit	WB, IHC	Human	40 µg	A00316	\$50
			200 µg		\$225
Estrogen Receptor-α Antibody (Ab-106), pAb, Rabbit	WB, IHC	Human	40 µg	A00317	\$50
			200 µg		\$225
Estrogen Receptor-α Antibody (Ab-118), pAb, Rabbit	WB, IHC	Human	40 µg	A00322	\$50
			200 µg		\$225
Estrogen Receptor-α Antibody (Ab-167), pAb, Rabbit	WB, IHC	Human	40 µg	A00323	\$50
			200 µg		\$225
Estrogen Receptor-α Antibody (Phospho-Ser ¹⁰⁴), pAb, Rabbit	IHC	Human, mouse	40 µg	A00479	\$69
			200 µg		\$311
Estrogen Receptor-α Antibody (Phospho-Ser ¹⁰⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg	A00297	\$69
			200 µg		\$311
Estrogen Receptor-α Antibody (Phospho-Ser ¹¹⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg	A00298	\$69
			200 µg		\$311
Estrogen Receptor-α Antibody (Phospho-Ser ¹⁶⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg	A00299	\$69
			200 µg		\$311
Ezrin Antibody (Ab-353), pAb, Rabbit	WB	Human	40 µg	A00392	\$50
			200 µg		\$225
Ezrin Antibody (Ab-567), pAb, Rabbit	WB	Human	40 µg	A00457	\$50
			200 µg		\$225
Ezrin Antibody (Phospho-Thr ⁶⁶⁷), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00334	\$69
			200 µg		\$311
Ezrin Antibody (Phospho-Tyr ³⁵³), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00291	\$69
			200 µg		\$311
FAK Antibody (Ab-861), pAb, Rabbit	WB, IHC	Human	40 µg	A00350	\$50
			200 µg		\$225
FAK Antibody (Ab-925), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00434	\$50
			200 µg		\$225
FAK Antibody (Phospho-Tyr ³⁹⁷), pAb, Rabbit	WB, IF	Human, rat	40 µg	A01142	\$69
			200 µg		\$311
FAK Antibody (Phospho-Tyr ⁸⁶¹), pAb, Rabbit	WB	Human, mouse ,rat	40 µg	A00287	\$69
			200 µg		\$311
FAK Antibody (Phospho-Tyr ⁹²⁵), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00387	\$69
			200 µg		\$311
FGF Receptor 1 Antibody (Ab-154), pAb, Rabbit	WB	Human, mouse	40 µg	A01155	\$50
			200 µg		\$225
Fibrillarin Antibody, mAb, Mouse	WB, IF	Human, rat, plant, <i>drosophila</i> , <i>C. elegans</i> , <i>S. pombe</i>	100 µg	A00153	\$204
FKHR Antibody (Ab-256), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00427	\$50
			200 µg		\$225
FKHR Antibody (Ab-319), pAb, Rabbit	WB, IHC	Human	40 µg	A00444	\$50
			200 µg		\$225
FKHR Antibody (Phospho-Ser ²⁵⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00395	\$69
			200 µg		\$311
FKHR Antibody (Phospho-Ser ³¹⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00373	\$69
			200 µg		\$311
FKHRL1 Antibody (Ab-253), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg	A00450	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
FKHRL1 Antibody (Phospho-Ser ²⁵³), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00354	\$69
			200 µg		\$311
G3BP-1 Antibody (Ab-232), pAb, Rabbit	WB, IHC	Human	40 µg	A00404	\$50
			200 µg		\$225
G3BP-1 Antibody (Phospho-Ser ²³²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00364	\$69
			200 µg		\$311
Gab1 Antibody (Ab-627), pAb, Rabbit	WB, IHC	Human	40 µg	A00512	\$50
			200 µg		\$225
Gab1 Antibody (Phospho-Tyr ⁶²⁷), pAb, Rabbit	WB, IF	Human, mouse	40 µg	A00568	\$69
			200 µg		\$311
GABRB1 Antibody (Ab-434), pAb, Rabbit	WB	Human	40 µg	A01231	\$50
			200 µg		\$225
GAD65 Antibody, pAb, Rabbit	WB	NA	40 µg	A01496	\$50
			200 µg		\$225
GAD65+GAD67 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg	A01437	\$50
			200 µg		\$225
GAD67 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01440	\$50
			200 µg		\$225
GAP43 Antibody (Ab-41), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg	A01046	\$50
			200 µg		\$225
GAP-43 Antibody, pAb, Rabbit	ELISA, WB	Mouse, rat*	40 µg	A01414	\$50
			200 µg		\$225
GAP-43 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg	A01441	\$50
			200 µg		\$225
GATA1 Antibody (Ab-142), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00270	\$50
			200 µg		\$225
GATA1 Antibody (Ab-310), pAb, Rabbit	WB	Human	40 µg	A00273	\$50
			200 µg		\$225
GATA1 Antibody (Phospho-Ser ¹⁴²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00247	\$69
			200 µg		\$311
GATA1 Antibody (Phospho-Ser ³¹⁰), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00248	\$69
			200 µg		\$311
GFAP Antibody, mAb, Mouse	WB, IF	Human, cow, pig, mouse, rat, all other mammalian and avian species	100 µg	A00085	\$259
GFAP Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, rat*	40 µg	A01309	\$50
			200 µg		\$225
GluR1 Antibody (Ab-849), pAb, Rabbit	WB	Human, mouse	40 µg	A01043	\$50
			200 µg		\$225
GluR1 Antibody (Phospho-Ser ⁸⁴⁹), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01028	\$69
			200 µg		\$311
Glutamine Synthetase Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat	40 µg	A01305	\$50
			200 µg		\$225
GRP94 Antibody, pAb, Rabbit	WB	Human	40 µg	A01510	\$50
			200 µg		\$225
GSK3α Antibody (Ab-21), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00210	\$50
			200 µg		\$225
GSK3α Antibody (Phospho-Ser ²¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00216	\$69
			200 µg		\$311
GSK3β Antibody (Ab-9), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00196	\$50
			200 µg		\$225
GSK3β Antibody (Phospho-Ser ⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00193	\$69
			200 µg		\$311
GSK3β Antibody (Phospho-Tyr ²¹⁶), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01031	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
HDAC2 Antibody (Ab-394), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00428	\$50
			200 µg		\$225
HDAC2 Antibody (Phospho-Ser ²⁹⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A01169	\$69
			200 µg		\$311
HDAC2 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01178	\$50
			200 µg		\$225
HDAC4 Antibody (Ab-632), pAb, Rabbit	WB, IF	Human	40 µg	A00429	\$50
			200 µg		\$225
HDAC4 Antibody (Phospho-Ser ⁶³²), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00338	\$69
			200 µg		\$311
HDAC4/HDAC5/HDAC9 Antibody (Ab-246/259/220), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg	A01257	\$50
			200 µg		\$225
HDAC4/HDAC5/HDAC9 Antibody (Phospho-Ser ^{246/259/220}), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A01271	\$69
			200 µg		\$311
HDAC5 Antibody (Ab-498), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00430	\$50
			200 µg		\$225
HDAC5 Antibody (Phospho-Ser ⁴⁹⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00337	\$69
			200 µg		\$311
HDAC8 Antibody (Ab-39), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00431	\$50
			200 µg		\$225
HDAC8 Antibody (Phospho-Ser ³⁹), pAb, Rabbit	IHC, IF	Human	100 µg	A00382	\$240
HEC1 Antibody,pAb,Rabbit	WB	Human	40 µg	A01504	\$50
			200 µg		\$225
HER2 Antibody (Ab- 1221,1222), pAb, Rabbit	WB, IHC	Human	40 µg	A00327	\$50
			200 µg		\$225
HER2 Antibody (Ab-1248), pAb, Rabbit	WB, IHC	Human	40 µg	A00331	\$50
			200 µg		\$225
HER2 Antibody (Ab-877), pAb, Rabbit	WB, IHC	Human	40 µg	A00325	\$50
			200 µg		\$225
HER2 Antibody (Phospho-Tyr ^{1221, 1222}), pAb, Rabbit	WB, IF	Human	40 µg	A00314	\$69
			200 µg		\$311
HER2 Antibody (Phospho-Tyr ¹²⁴⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00318	\$69
			200 µg		\$311
HER2 Antibody (Phospho-Tyr ⁸⁷⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00313	\$69
			200 µg		\$311
HER3/ErbB3 Antibody (Ab-1328), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01255	\$50
			200 µg		\$225
HER3/ErbB3 Antibody (Phospho-Tyr ¹³²⁸), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01269	\$69
			200 µg		\$311
Histone H2A.X Antibody (Ab-139), pAb, Rabbit	WB, IHC	Human	40 µg	A00529	\$50
			200 µg		\$225
Histone H2A.X Antibody (Phospho-Ser ¹³⁹), pAb, Rabbit	WB, IF	Human	40 µg	A00552	\$69
			200 µg		\$311
Histone H3 Antibody,pAb,Rabbit	WB	Human, mouse, rat	40 µg	A01502	\$50
			200 µg		\$225
Histone H3.1 Antibody (Ab-10), pAb, Rabbit	WB, IF	Human	40 µg	A00426	\$50
			200 µg		\$225
Histone H3.1 Antibody (Phospho-Ser ¹⁰), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00339	\$69
			200 µg		\$311
hnRNP C1/C2 Antibody, pAb, Rabbit	WB	Human	40 µg	A01484	\$50
			200 µg		\$225
HSF1 Antibody (Ab-303), pAb, Rabbit	WB, IHC	Human	40 µg	A00610	\$50
			200 µg		\$225
HSF1 Antibody (Ab-307), pAb, Rabbit	WB, IHC	Human	40 µg	A00671	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
HSF1 Antibody (Phospho-Ser ³⁰³), pAb, Rabbit	WB, IHC	Human	40 µg	A00546	\$69
			200 µg		\$311
HSF1 Antibody (Phospho-Ser ³⁰⁷), pAb, Rabbit	WB, IF	Human	40 µg	A01164	\$69
			200 µg		\$311
HSP27 Antibody (Ab-15), pAb, Rabbit	WB, IHC	Human	40 µg	A00432	\$50
			200 µg		\$225
HSP27 Antibody (Ab-78), pAb, Rabbit	WB, IHC	Human	40 µg	A00560	\$50
			200 µg		\$225
HSP27 Antibody (Ab-82), pAb, Rabbit	WB, IHC	Human	40 µg	A00558	\$50
			200 µg		\$225
HSP27 Antibody (Phospho-Ser ¹⁵), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00343	\$69
			200 µg		\$311
HSP27 Antibody (Phospho-Ser ⁷⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00528	\$69
			200 µg		\$311
HSP27 Antibody (Phospho-Ser ⁸²), pAb, Rabbit	WB, IHC	Human	40 µg	A00530	\$69
			200 µg		\$311
HSP90B Antibody (Ab-254), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00672	\$50
			200 µg		\$225
HSP90B Antibody (Phospho-Ser ²⁵⁴), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00921	\$69
			200 µg		\$311
HtrA2 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01427	\$50
			200 µg		\$225
Huntingtin Antibody, mAb, Mouse	WB, IHC	Human, mouse	100 µg	A00089	\$259
ICAM-1 Antibody (Ab-512), pAb, Rabbit	WB	Human	40 µg	A01038	\$50
			200 µg		\$225
ICAM-1 Antibody (Phospho-Tyr ⁵¹²), pAb, Rabbit	WB	Human	40 µg	A01020	\$69
			200 µg		\$311
IGF-1R Antibody (Ab-1161), pAb, Rabbit	WB, IHC	Human	40 µg	A00380	\$50
			200 µg		\$225
IGF-1R Antibody (Ab-1165, 1166), pAb, Rabbit	WB	Human	40 µg	A00383	\$50
			200 µg		\$225
IGF-1R Antibody (Ab-1346), pAb, Rabbit	WB, IHC	Human	40 µg	A00927	\$50
			200 µg		\$225
IGF-1R Antibody (Phospho-Tyr ¹¹⁶¹), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00371	\$69
			200 µg		\$311
IGF-1R Antibody (Phospho-Tyr ^{1165,1166}), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00376	\$69
			200 µg		\$311
IKKα Antibody (Ab-23), pAb, Rabbit	WB, IHC	Human	40 µg	A00421	\$50
			200 µg		\$225
IKKα Antibody (Phospho-Thr ²³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00356	\$69
			200 µg		\$311
Integrin β3 Antibody (Ab-773), pAb, Rabbit	WB, IHC	Human	40 µg	A00386	\$50
			200 µg		\$225
Integrin β3 Antibody (Ab-785), pAb, Rabbit	WB	Human	40 µg	A01167	\$50
			200 µg		\$225
Integrin β3 Antibody (Phospho-Tyr ⁷⁷³), pAb, Rabbit	WB, IHC	Human,mouse	40 µg	A00288	\$69
			200 µg		\$311
Integrin β3 Antibody (phospho-Tyr ⁷⁸⁵), pAb, Rabbit	WB	Human, mouse	40 µg	A00663	\$69
			200 µg		\$311
Internexin/NF66 1 Antibody, mAb, Mouse	WB, IF, ICC	Human, rat, mouse, cat, other mammals	100 µg	A00147	\$204
Internexin/NF66 2 Antibody, mAb, Mouse	WB, IHC, IF	Human, rat, mouse, cat, other mammals	100 µg	A00148	\$204
Internexin/NF66 Antibody, pAb, Chicken	WB, IF	Human	100 µg	A00150	\$204

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Internexin/NF66 Antibody, pAb, Rabbit	WB, IF	Human, rat, mouse, cat, other mammals	100 µg	A00149	\$204
IRS-1 Antibody (Ab-307), pAb, Rabbit	IHC, IF	Human	100 µg	A00572	\$172
IRS-1 Antibody (Ab-312), pAb, Rabbit	WB	Human	40 µg	A01151	\$50
			200 µg		\$225
IRS-1 Antibody (Ab-636), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00575	\$50
			200 µg		\$225
IRS-1 Antibody (Ab-639), pAb, Rabbit	WB, IF	Human	40 µg	A01042	\$50
			200 µg		\$225
IRS-1 Antibody (Phospho-Ser ³⁰⁷), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00506	\$69
			200 µg		\$311
IRS-1 Antibody (Phospho-Ser ⁶³⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00503	\$69
			200 µg		\$311
IRS-1 Antibody (Phospho-Ser ⁶³⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A01027	\$69
			200 µg		\$311
IκB-α Antibody (Ab-32, 36), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00609	\$50
			200 µg		\$225
IκB-α Antibody (Ab-42), pAb, Rabbit	WB, IHC	Human	40 µg	A00453	\$50
			200 µg		\$225
IκB-α Antibody (Phospho-Ser ^{32,36}), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00359	\$69
			200 µg		\$311
IκB-α Antibody (Phospho-Tyr ⁴²), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00349	\$69
			200 µg		\$311
IκB-β Antibody (Ab-23), pAb, Rabbit	WB, IHC	Human	40 µg	A00928	\$50
			200 µg		\$225
IκB-β Antibody (Phospho-Ser ²³), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A01032	\$69
			200 µg		\$311
JAK1 Antibody (Ab-1022), pAb, Rabbit	WB, IHC	Human	40 µg	A00418	\$50
			200 µg		\$225
JAK1 Antibody (Phospho-Tyr ¹⁰²²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00363	\$69
			200 µg		\$311
JAK2 Antibody (Ab-1007), pAb, Rabbit	WB	Human, mouse	40 µg	A01185	\$50
			200 µg		\$225
JAK2 Antibody (Ab-221), pAb, Rabbit	IHC	Human	40 µg	A00419	\$50
			200 µg		\$225
Jak2 Antibody (Ab-570), pAb, Rabbit	IHC	Human	40 µg	A01259	\$50
			200 µg		\$225
JAK2 Antibody (Phospho-Tyr ¹⁰⁰⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00360	\$69
			200 µg		\$311
JAK2 Antibody (Phospho-Tyr ²²¹), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00362	\$69
			200 µg		\$311
JunB Antibody (Ab-259), pAb, Rabbit	WB, IHC	Human	40 µg	A00256	\$50
			200 µg		\$225
JunB Antibody (Ab-79), pAb, Rabbit	IHC, IF	Human	40 µg	A00255	\$50
			200 µg		\$225
JunB Antibody (Phospho-Ser ²⁵⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00240	\$69
			200 µg		\$311
JunB Antibody (Phospho-Ser ⁷⁹), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00239	\$69
			200 µg		\$311
JunD Antibody (Ab-255), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00590	\$50
			200 µg		\$225
JunD Antibody (Phospho-Ser ²²⁵), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00472	\$69
			200 µg		\$311
Keratin 18 Antibody (Phospho-Ser ³³), pAb, Rabbit	WB, IHC	Human	40 µg	A01033	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Ki-67 Antibody, pAb, Rabbit	IHC	Human	40 µg	A01495	\$50
			200 µg		\$225
LC3A Antibody, pAb, Rabbit	WB, IF	Human	40 µg	A00971	\$50
			200 µg		\$225
Lck Antibody (Phospho-Tyr ³⁹⁴), pAb, Rabbit	WB	Human, mouse	40 µg	A01024	\$69
			200 µg		\$311
MAP2 Antibody, pAb, Chicken	WB, IF	Human, rat, mouse, bovine	100 µg	A00156	\$204
MAPKAPK-2 Antibody (Phospho-Thr ³³⁴), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01034	\$69
			200 µg		\$311
MARCKS Antibody (Ab-158), pAb, Rabbit	WB, IF	Human, mouse	40 µg	A00511	\$50
			200 µg		\$225
MARCKS Antibody (Ab-162), pAb, Rabbit	WB	Human	100 µg	A00536	\$172
MARCKS Antibody (Phospho-Ser ¹⁵⁸), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00570	\$69
			200 µg		\$311
MARCKS Antibody, pAb, Rabbit	WB, IF, ICC	NA	100 µg	A00155	\$204
MEF2A Antibody (Ab-312), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00642	\$50
			200 µg		\$225
MEF2A Antibody (Ab-319), pAb, Rabbit	IHC	Human	40 µg	A00268	\$50
			200 µg		\$225
MEF2A Antibody (Phospho-Thr ³¹²), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00477	\$69
			200 µg		\$311
MEK1 Antibody (Ab-217), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01041	\$50
			200 µg		\$225
MEK1 Antibody (Ab-221), pAb, Rabbit	WB, IHC	Human	40 µg	A00452	\$50
			200 µg		\$225
MEK1 Antibody (Ab-291), pAb, Rabbit	WB, IHC	Human	40 µg	A00510	\$50
			200 µg		\$225
MEK1 Antibody (Phospho-Ser ²¹⁷), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00497	\$69
			200 µg		\$311
MEK1 Antibody (Phospho-Ser ²²¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00351	\$69
			200 µg		\$311
MEK1 Antibody (Phospho-Thr ²⁹¹), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00571	\$69
			200 µg		\$311
MEK2 Antibody (Ab-394), pAb, Rabbit	WB, IHC	Human	40 µg	A00211	\$50
			200 µg		\$225
MEK2 Antibody (Phospho-Thr ³⁹⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00217	\$69
			200 µg		\$311
MELK Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01390	\$50
			200 µg		\$225
Merlin Antibody (Ab-518), pAb, Rabbit	WB, IHC	Human	40 µg	A00533	\$50
			200 µg		\$225
Merlin Antibody (Phospho-Ser ⁵¹⁸), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00549	\$69
			200 µg		\$311
Met Antibody (Ab-1234), pAb, Rabbit	WB	Human	40 µg	A00464	\$50
			200 µg		\$225
Met Antibody (Ab-1349), pAb, Rabbit	WB	Human	40 µg	A00569	\$50
			200 µg		\$225
Met Antibody (Phospho-Tyr ¹²³⁴), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00321	\$69
			200 µg		\$311
Met Antibody (Phospho-Tyr ¹³⁴⁹), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00507	\$69
			200 µg		\$311
mGluR5 Antibody, pAb, Rabbit	WB	Human	40 µg	A01493	\$50
			200 µg		\$225
MKK3 Antibody (Ab-189), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00415	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
MKK3 Antibody (Phospho-Ser ¹⁸⁹), pAb, Rabbit	WB, IHC, IF	Human, rat	40 µg	A00440	\$69
			200 µg		\$311
MKK6 Antibody (Ab-207), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00438	\$50
			200 µg		\$225
MKK6 Antibody (Phospho-Ser ²⁰⁷), pAb, Rabbit	WB, IHC, IF	Human, rat	40 µg	A00443	\$69
			200 µg		\$311
MSK1 Antibody (Ab-376), pAb, Rabbit	WB	Human	40 µg	A00588	\$50
			200 µg		\$225
mTOR Antibody (Ab-2448), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01154	\$50
			200 µg		\$225
mTOR Antibody (Phospho-Ser ²⁴⁴⁸), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00643	\$69
			200 µg		\$311
Muscleblind Antibody, mAb, Mouse	WB, IF, ICC	Human, mouse, rat	100 µg	A00154	\$204
Myc Antibody (Ab-358), pAb, Rabbit	WB, IHC	Human	40 µg	A00264	\$50
			200 µg		\$225
Myc Antibody (Ab-373), pAb, Rabbit	WB	Human, mouse	40 µg	A00265	\$50
			200 µg		\$225
Myc Antibody (Ab-58), pAb, Rabbit	WB, IHC	Human	40 µg	A00262	\$50
			200 µg		\$225
Myc Antibody (Phospho-Ser ³⁷³), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00244	\$69
			200 µg		\$311
Myc Antibody (Phospho-Thr ³⁵⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00243	\$69
			200 µg		\$311
Myc Antibody (Phospho-Thr ⁵⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00242	\$69
			200 µg		\$311
Myelin Basic Protein Antibody, pAb, Rabbit	ELISA, WB	Mouse, rat*	40 µg	A01407	\$50
			200 µg		\$225
MyoD Antibody (Ab-200), pAb, Rabbit	WB	Human	40 µg	A00607	\$50
			200 µg		\$225
MyoD Antibody (Phospho-Ser ²⁰⁰), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00480	\$69
			200 µg		\$311
Myosin Light Chain 2 Antibody (Ab-18), pAb, Rabbit	WB, IF	Human	100 µg	A00597	\$172
Myosin Light Chain 2 Antibody (Phospho-Ser ¹⁸), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A01180	\$69
			200 µg		\$311
NCAM Antibody, pAb, Rabbit	ELISA, WB	Rat, mouse*	40 µg	A01415	\$50
			200 µg		\$225
Nestin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01413	\$50
			200 µg		\$225
Neurofascin Antibody, pAb, Rabbit	ELISA, WB	Rat, mouse*	40 µg	A01377	\$50
			200 µg		\$225
Neuroserpin Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg	A01482	\$50
			200 µg		\$225
NF-H Antibody, mAb, Mouse	WB, IF	A variety of species	100 µg	A00137	\$204
NF-H Antibody, pAb, Chicken	ELISA, WB, IF	Human, rat, mouse, cat, chicken	100 µg	A00136	\$204
NF-H Antibody, pAb, Rabbit	ELISA, WB, IF	A variety of species	100 µg	A00135	\$204
NF-L Antibody, mAb, Mouse	WB, IF	Human, rat, mouse, cat, chicken	100 µg	A00139	\$204
NF-L Antibody, pAb, Chicken	WB, IF	Human, rat, mouse, cat, chicken	100 µg	A00140	\$204
NF-L Antibody, pAb, Rabbit	WB, IF, ICC	Human, rat, mouse, cat, chicken	100 µg	A00138	\$204
NF-M Antibody, mAb, Mouse	IF, Immunoblotting	Human, rat, mouse, cat, chicken	100 µg	A00145	\$204

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
NF-M Antibody, pAb, Chicken	WB, IF	Human, rat, mouse, cat, chicken	100 µg	A00146	\$204
NF-M Antibody, pAb, Rabbit	WB, IF, ICC	Human, rat, mouse, cat, chicken	100 µg	A00144	\$204
NF-κB p100/p52 Antibody (Ab-866), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00583	\$50 \$225
NF-κB p100/p52 Antibody (Ab-870), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00225	\$50 \$225
NF-κB p100/p52 Antibody (Phospho-Ser ⁸⁶⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00469	\$69 \$311
NF-κB p100/p52 Antibody (Phospho-Ser ⁸⁷⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00226	\$69 \$311
NF-κB p105/p50 Antibody (Ab-337), pAb, Rabbit	IHC	Human	40 µg 200 µg	A00585	\$50 \$225
NF-κB p105/p50 Antibody (Ab-893), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00227	\$50 \$225
NF-κB p105/p50 Antibody (Ab-907), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00228	\$50 \$225
NF-κB p105/p50 Antibody (Ab-927), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00929	\$50 \$225
NF-κB p105/p50 Antibody (Ab-932), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00555	\$50 \$225
NF-κB p105/p50 Antibody (Phospho-Ser ⁹³⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00470	\$69 \$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁸⁹³), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A00229	\$69 \$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁹⁰⁷), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00230	\$69 \$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁹²⁷), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00922	\$69 \$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁹³²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00534	\$69 \$311
NF-κB p65 Antibody (Ab-254), pAb, Rabbit	IHC	Human	40 µg 200 µg	A00581	\$50 \$225
NF-κB p65 Antibody (Ab-276), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00212	\$50 \$225
NF-κB p65 Antibody (Ab-311), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00542	\$50 \$225
NF-κB p65 Antibody (Ab-435), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00213	\$50 \$225
NF-κB p65 Antibody (Ab-468), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00219	\$50 \$225
NF-κB p65 Antibody (Ab-505), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A01163	\$50 \$225
NF-κB p65 Antibody (Ab-529), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00459	\$50 \$225
NF-κB p65 Antibody (Ab-536), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00222	\$50 \$225
NF-κB p65 Antibody (Phospho-Ser ²⁷⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00220	\$69 \$311
NF-κB p65 Antibody (Phospho-Ser ³¹¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00543	\$69 \$311
NF-κB p65 Antibody (Phospho-Ser ⁴⁶⁸), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00223	\$69 \$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
NF-κB p65 Antibody (Phospho-Ser ⁵²⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00330	\$69 \$311
NF-κB p65 Antibody (phospho-ser ⁵³⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00224	\$69 \$311
NF-κB p65 Antibody (Phospho-Thr ²⁵⁴), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00468	\$69 \$311
NF-κB p65 Antibody (Phospho-Thr ⁴³⁵), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00221	\$69 \$311
NF-κB p65 Antibody (Phospho-Thr ⁵⁰⁵), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A01159	\$69 \$311
Niban Antibody, pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00933	\$50 \$225
Nicastrin Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00883	\$50 \$225
NMDAR1 Antibody (Ab-896), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A01149	\$50 \$225
NMDAR1 Antibody (Phospho-Ser ⁸⁹⁶), pAb, Rabbit	WB	Human	40 µg 200 µg	A00486	\$69 \$311
NQO1 Antibody,pAb,Rabbit	WB	Human	40 µg 200 µg	A01511	\$50 \$225
NSE Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat*	40 µg 200 µg	A01405	\$50 \$225
NSE Antibody, pAb, Rabbit	ELISA, WB, IHC, IP	Human, mouse, rat*	40 µg 200 µg	A01406	\$50 \$225
NSE Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat*	40 µg 200 µg	A01412	\$50 \$225
NSG1 Antibody, pAb, Rabbit	ELISA, WB, IP	Human, mouse, rat*	40 µg 200 µg	A01442	\$50 \$225
OLIG2 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg 200 µg	A01474	\$50 \$225
p21Cip1 Antibody (Ab-145), pAb, Rabbit	WB	Human	40 µg 200 µg	A01150	\$50 \$225
p21Cip1 Antibody (Phospho-Thr ¹⁴⁵), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01160	\$69 \$311
p27Kip1 Antibody (Ab-10), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00436	\$50 \$225
p27Kip1 Antibody (Phospho-Thr ¹⁸⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00333	\$69 \$311
p35 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg 200 µg	A01423	\$50 \$225
p38 MAPK Antibody (Ab-182), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A00553	\$50 \$225
p38 MAPK Antibody (Phospho-Thr ¹⁸⁰), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00535	\$69 \$311
p38 MAPK Antibody (Phospho-Tyr ¹⁸²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00537	\$69 \$311
p44/42 MAP Kinase Antibody (Ab-202), pAb, Rabbit	WB	Human	40 µg 200 µg	A00564	\$50 \$225
p44/42 MAP Kinase Antibody (Ab-204), pAb, Rabbit	WB	Human, mouse	100 µg	A00562	\$172
p44/42 MAP Kinase Antibody (Phospho-Thr ²⁰²), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00525	\$69 \$311
p44/42 MAP Kinase Antibody (Phospho-Tyr ²⁰⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00526	\$69 \$311
p53 Antibody (Ab-15), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00595	\$50

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
p53 Antibody (Ab-315), pAb, Rabbit	WB	Human	40 µg	A00598	\$50
			200 µg		\$225
p53 Antibody (Ab-37), pAb, Rabbit	WB	Human	40 µg	A01221	\$50
			200 µg		\$225
p53 Antibody (Ab-46), pAb, Rabbit	WB	Human	40 µg	A00596	\$50
			200 µg		\$225
p53 Antibody (Ab-9), pAb, Rabbit	WB	Human	40 µg	A01162	\$50
			200 µg		\$225
p53 Antibody (Phospho-Ser ³¹⁵), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00485	\$69
			200 µg		\$311
p53 Antibody (Phospho-Ser ³⁷), pAb, Rabbit	WB, IF	Human	40 µg	A01213	\$69
			200 µg		\$311
p53 Antibody (Phospho-Ser ⁴⁶), pAb, Rabbit	WB, IF	Human	40 µg	A00484	\$69
			200 µg		\$311
p53 Antibody (Phospho-Ser ⁶), pAb, Rabbit	WB	Human, mouse	40 µg	A01168	\$69
			200 µg		\$311
p56Dok-2 Antibody (Phospho-Tyr ²⁹⁹), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01029	\$69
			200 µg		\$311
p62Dok Antibody (Ab-362), pAb, Rabbit	WB, IHC	Human	40 µg	A01044	\$50
			200 µg		\$225
p62Dok Antibody (Ab-398), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01045	\$50
			200 µg		\$225
p62Dok Antibody (phospho-Tyr ³⁶²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00647	\$69
			200 µg		\$311
p62Dok Antibody (Phospho-Tyr ³⁹⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00648	\$69
			200 µg		\$311
p70 S6 Kinase Antibody (Ab-411), pAb, Rabbit	WB, IHC, IF	Human	100 µg	A00527	\$172
			200 µg		\$225
p70 S6 Kinase Antibody (Ab-421), pAb, Rabbit	WB, IHC	Human	40 µg	A00550	\$50
			200 µg		\$225
p70 S6 Kinase Antibody (Ab-424), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00516	\$50
			200 µg		\$225
p70 S6 Kinase Antibody (Phospho-Ser ⁴¹¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00554	\$69
			200 µg		\$311
p70 S6 Kinase Antibody (Phospho-Ser ⁴²⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00561	\$69
			200 µg		\$311
p70 S6 Kinase Antibody (Phospho-Thr421), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00539	\$69
			200 µg		\$311
p73 Antibody (Ab-99), pAb, Rabbit	WB	Human	40 µg	A00348	\$50
			200 µg		\$225
p73 Antibody (Phospho-Tyr ⁹⁹), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00285	\$69
			200 µg		\$311
p90RSK Antibody (Ab-348), pAb, Rabbit	WB, IF	Human	40 µg	A00603	\$50
			200 µg		\$225
p90RSK Antibody (Ab-352), pAb, Rabbit	WB, IHC	Human	40 µg	A00601	\$50
			200 µg		\$225
p90RSK Antibody (Phospho-Ser ³⁵²), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01171	\$69
			200 µg		\$311
p90RSK Antibody (Phospho-Thr ³⁴⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00487	\$69
			200 µg		\$311
p95/NBS1 Antibody (Ab-343), pAb, Rabbit	WB, IHC	Human	40 µg	A00305	\$50
			200 µg		\$225
p95/NBS1 Antibody (Phospho-Ser ³⁴³), pAb, Rabbit	WB	Human	40 µg	A00283	\$69
			200 µg		\$311
PAK1 Antibody (Ab-212), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00651	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
PAK1 Antibody (Phospho-Thr ²¹²), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00650	\$69
			200 µg		\$311
PAK1/PAK2/PAK3 Antibody (Ab-423/402/421), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A01040	\$50
			200 µg		\$225
Parkin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat*	40 µg	A01250	\$50
			200 µg		\$225
Parvalbumin Antibody, pAb, Rabbit	ELISA, WB, IP	Human, mouse, rat*	40 µg	A01439	\$50
			200 µg		\$225
Paxillin Antibody (Ab-118), pAb, Rabbit	WB, IHC	Human	40 µg	A00409	\$50
			200 µg		\$225
Paxillin Antibody (Ab-31), pAb, Rabbit	WB, IHC	Human	40 µg	A00456	\$50
			200 µg		\$225
Paxillin Antibody (Phospho-Tyr ¹¹⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00379	\$69
			200 µg		\$311
Paxillin Antibody (Phospho-Tyr ³¹), pAb, Rabbit	WB	Human	40 µg	A00335	\$69
			200 µg		\$311
PDK1 Antibody (Ab-241), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00208	\$50
			200 µg		\$225
PDK1 Antibody (Phospho-Ser ²⁴¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00207	\$69
			200 µg		\$311
PEN2 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00882	\$50
			200 µg		\$225
Peptidylprolyl Isomerase Antibody, pAb, Chicken	WB, IF, ICC	NA	100 µg	A00151	\$204
Peripherin 1 Antibody, mAb, Mouse	WB, ICC	Cat, human, mouse, rat	100 µg	A00142	\$204
Peripherin 2 Antibody, mAb, Mouse	WB, IF	Cat, human, mouse, rat, rabbit	100 µg	A00143	\$204
Peripherin Antibody, pAb, Rabbit	WB, ICC	Cat, human, mouse, rat, rabbit	100 µg	A00141	\$204
PGP9.5 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01398	\$50
			200 µg		\$225
PIN1 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01090	\$50
			200 µg		\$225
PKCα Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00901	\$50
			200 µg		\$225
PKCα/β2 Antibody (Phospho-Thr ^{638/641}), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00913	\$69
			200 µg		\$311
PKCβ Antibody (Ab-641), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00655	\$50
			200 µg		\$225
PKCβ Antibody (Phospho-Thr ⁶⁴¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00654	\$69
			200 µg		\$311
PKCβ2 Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00903	\$50
			200 µg		\$225
PKCγ Antibody, pAb, Rabbit	WB	NA	40 µg	A00904	\$50
			200 µg		\$225
PKCδ Antibody (Ab-645), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00509	\$50
			200 µg		\$225
PKCδ Antibody (Phospho-Ser ⁶⁴⁵), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00576	\$69
			200 µg		\$311
PKCδ Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00905	\$50
			200 µg		\$225
PKCζ Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00908	\$50
			200 µg		\$225
PKCη Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00906	\$50
			200 µg		\$225
PKCθ Antibody (Ab-676), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00508	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
PKCθ Antibody (Ab-695), pAb, Rabbit	WB, IHC	Human	40 µg	A00656	\$50
			200 µg		\$225
PKCθ Antibody (Phospho-Ser ⁶⁷⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00579	\$69
			200 µg		\$311
PKCθ Antibody (Phospho-Ser ⁶⁹⁵), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00657	\$69
			200 µg		\$311
PKCι/λ Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00910	\$50
			200 µg		\$225
PKCμ Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00909	\$50
			200 µg		\$225
PKD/PKCμ Antibody (Ab-738), pAb, Rabbit	WB, IF	Human	40 µg	A00606	\$50
			200 µg		\$225
PKD/PKCμ Antibody (Ab-910), pAb, Rabbit	WB	Human	40 µg	A00605	\$50
			200 µg		\$225
PKD/PKCμ Antibody (Phospho-Ser ⁷³⁸), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00481	\$69
			200 µg		\$311
PKD/PKCμ Antibody (Phospho-Ser ⁹¹⁰), pAb, Rabbit	WB	Human	40 µg	A01021	\$69
			200 µg		\$311
PKR Antibody (Phospho-Thr ⁴⁴⁶), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00649	\$69
			200 µg		\$311
PKR Antibody (Phospho-Thr ⁴⁵¹), pAb, Rabbit	IHC	Human	40 µg	A01030	\$69
			200 µg		\$311
PLCγ1 Antibody (Ab-771), pAb, Rabbit	WB, IHC	Human	40 µg	A01260	\$50
			200 µg		\$225
PLCγ1 Antibody (Ab-783), pAb, Rabbit	WB	Human	40 µg	A01039	\$50
			200 µg		\$225
PLCγ1 Antibody (Phospho-Tyr ⁷⁸³), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01022	\$69
			200 µg		\$311
PLC-γ2 Antibody (Ab-1217), pAb, Rabbit	IHC	Human	40 µg	A01294	\$50
			200 µg		\$225
PLCγ2 Antibody (Ab-753), pAb, Rabbit	WB, IF	Human	40 µg	A00658	\$50
			200 µg		\$225
PLC-γ2 Antibody (Phospho-Tyr ¹²¹⁷), pAb, Rabbit	IHC	Human	40 µg	A01219	\$69
			200 µg		\$311
PLCγ2 Antibody (Phospho-Tyr ⁷⁵³), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00659	\$69
			200 µg		\$311
PON2 Antibody, pAb, Rabbit	WB	NA	40 µg	A00816	\$50
			200 µg		\$225
PP2A-α Antibody, pAb, Rabbit	WB	Human	40 µg	A01226	\$50
			200 µg		\$225
Presenilin 1 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00881	\$50
			200 µg		\$225
Presenilin 2 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00943	\$50
			200 µg		\$225
Progesterone Receptor Antibody (Ab-190), pAb, Rabbit	WB, IF	Human	40 µg	A01165	\$50
			200 µg		\$225
Progesterone Receptor Antibody (Phospho-Ser ¹⁹⁰), pAb, Rabbit	WB, IHC	Human	40 µg	A00312	\$69
			200 µg		\$311
Prohibitin Antibody, pAb, Rabbit	WB	NA	40 µg	A00706	\$50
			200 µg		\$225
PSD95 Antibody, pAb, Rabbit	WB	Mouse, rat	40 µg	A01501	\$50
			200 µg		\$225
PTEN Antibody (Ab-370), pAb, Rabbit	WB, IHC	Human	40 µg	A00303	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
PTEN Antibody (Ab-380, 382, 383), pAb, Rabbit	WB, IHC	Human	40 µg	A00302	\$50
			200 µg		\$225
PTEN Antibody (Phospho-Ser ³⁷⁰), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00290	\$69
			200 µg		\$311
PTEN Antibody (Phospho-Ser ³⁸⁰), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00218	\$69
			200 µg		\$311
PTEN Antibody (Phospho-Ser ³⁸⁰ , Thr ^{382,383}), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00277	\$69
			200 µg		\$311
Pyk2 Antibody (Ab-402), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00586	\$50
			200 µg		\$225
Pyk2 Antibody (Phospho-Tyr ⁴⁰²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00498	\$69
			200 µg		\$311
Rab5 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A01302	\$50
			200 µg		\$225
Rac1 Antibody (Ab-71), pAb, Rabbit	WB, IF	Human	40 µg	A00660	\$50
			200 µg		\$225
Rac1 Antibody (Phospho-Ser ⁷¹), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01146	\$69
			200 µg		\$311
Raf-1 Antibody (Ab-259), pAb, Rabbit	WB, IHC	Human	40 µg	A00209	\$50
			200 µg		\$225
Raf1 Antibody (Ab-338), pAb, Rabbit	WB, IHC	Human	40 µg	A01153	\$50
			200 µg		\$225
Raf-1 Antibody (Phospho-Ser ²⁵⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00215	\$69
			200 µg		\$311
RAGE Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00972	\$50
			200 µg		\$225
Rb Antibody (Ab-780), pAb, Rabbit	WB, IHC	Human	40 µg	A00412	\$50
			200 µg		\$225
Rb Antibody (Ab-795), pAb, Rabbit	WB	Human	40 µg	A00410	\$50
			200 µg		\$225
Rb Antibody (Ab-807), pAb, Rabbit	WB, IHC	Human	40 µg	A00411	\$50
			200 µg		\$225
Rb Antibody (Phospho-Ser ⁷⁸⁰), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00377	\$69
			200 µg		\$311
Rb Antibody (Phospho-Ser ⁷⁹⁵), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00381	\$69
			200 µg		\$311
Rb Antibody (Phospho-Ser ⁸⁰⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00378	\$69
			200 µg		\$311
RelB Antibody (Ab-573), pAb, Rabbit	WB	Human	40 µg	A00547	\$50
			200 µg		\$225
RelB Antibody (Phospho-Ser ⁵⁷³), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00540	\$69
			200 µg		\$311
S6 Ribosomal Protein Antibody (Ab-235), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00465	\$50
			200 µg		\$225
S6 Ribosomal Protein Antibody (Phospho-Ser ²³⁵), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00315	\$69
			200 µg		\$311
SAA1 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00944	\$50
			200 µg		\$225
SAPK/JNK Antibody (Ab-183), pAb, Rabbit	IHC	Human	40 µg	A00557	\$50
			200 µg		\$225
SAPK/JNK Antibody (Ab-183), pAb, Rabbit	WB, IHC	Human	40 µg	A01161	\$50
			200 µg		\$225
SAPK/JNK Antibody (Phospho-Thr ¹⁸³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00532	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
SEK1/MKK4 Antibody (Ab-261), pAb, Rabbit	IHC, IF	Human	40 µg	A00423	\$50
			200 µg		\$225
SEK1/MKK4 Antibody (Ab-80), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00424	\$50
			200 µg		\$225
SEK1/MKK4 Antibody (Phospho-Ser ⁶⁰), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00495	\$69
			200 µg		\$311
SEK1/MKK4 Antibody (Phospho-Thr ²⁶¹), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00342	\$69
			200 µg		\$311
Serum Amyloid P Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00701	\$50
			200 µg		\$225
Shc1 Antibody (Ab-427), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00930	\$50
			200 µg		\$225
Shc1 Antibody (Phospho-Tyr ⁴²⁷), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01035	\$69
			200 µg		\$311
SHP-1 Antibody (Ab-536), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00970	\$50
			200 µg		\$225
SHP-1 Antibody (Phospho-Tyr ⁶³⁶), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00969	\$69
			200 µg		\$311
SMC1 Antibody (Ab-957), pAb, Rabbit	WB, IHC	Human	40 µg	A00455	\$50
			200 µg		\$225
SMC1 Antibody (Phospho-Ser ⁶⁵⁷), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00336	\$69
			200 µg		\$311
SNAP25 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01445	\$50
			200 µg		\$225
Src Antibody (Ab-529), pAb, Rabbit	WB, IHC	Human	40 µg	A00449	\$50
			200 µg		\$225
Src Antibody (Phospho-Tyr ⁵²⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00358	\$69
			200 µg		\$311
STAT1 Antibody (Ab-701), pAb, Rabbit	WB, IHC	Human	40 µg	A00274	\$50
			200 µg		\$225
STAT1 Antibody (Ab-727), pAb, Rabbit	WB, IHC	Human	40 µg	A00454	\$50
			200 µg		\$225
STAT1 Antibody (Phospho-Ser ⁷²⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00347	\$69
			200 µg		\$311
STAT1 Antibody (Phospho-Tyr ⁷⁰¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00249	\$69
			200 µg		\$311
Stat2 Antibody (Ab-690), pAb, Rabbit	WB, IHC	Human	40 µg	A01263	\$50
			200 µg		\$225
STAT3 Antibody (Ab-727), pAb, Rabbit	WB, IHC	Human	40 µg	A00278	\$50
			200 µg		\$225
STAT3 Antibody (Phospho-Ser ⁷²⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00251	\$69
			200 µg		\$311
STAT4 Antibody (Ab-693), pAb, Rabbit	WB, IHC	Human	40 µg	A00279	\$50
			200 µg		\$225
STAT4 Antibody (Phospho-Tyr ⁶⁹³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00252	\$69
			200 µg		\$311
STAT5A Antibody (Ab-694), pAb, Rabbit	WB, IHC	Human	40 µg	A00280	\$50
			200 µg		\$225
STAT5A Antibody (Ab-780), pAb, Rabbit	WB, IHC	Human	40 µg	A00281	\$50
			200 µg		\$225
STAT5A Antibody (Phospho-Ser ⁷⁸⁰), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00254	\$69
			200 µg		\$311
STAT5A Antibody (Phospho-Tyr ⁶⁹⁴), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00253	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
STAT6 Antibody (Ab-641), pAb, Rabbit	WB, IHC	Human	40 µg	A00282	\$50
			200 µg		\$225
STAT6 Antibody (Ab-645), pAb, Rabbit	WB, IHC	Human	40 µg	A00284	\$50
			200 µg		\$225
STAT6 Antibody (Phospho-Thr ⁶⁴⁵), pAb, Rabbit	IHC	Human	40 µg	A00478	\$69
			200 µg		\$311
STAT6 Antibody (Phospho-Tyr ⁶⁴¹), pAb, Rabbit	WB, IHC	Human	40 µg	A00263	\$69
			200 µg		\$311
Stathmin 1 Antibody (Ab-16), pAb, Rabbit	WB, IHC	Human	40 µg	A00573	\$50
			200 µg		\$225
Stathmin 1 Antibody (Ab-25), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00462	\$50
			200 µg		\$225
Stathmin 1 Antibody (Ab-38), pAb, Rabbit	WB, IHC	Human	40 µg	A00463	\$50
			200 µg		\$225
Stathmin 1 Antibody (Phospho-Ser ¹⁶), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00505	\$69
			200 µg		\$311
Stathmin 1 Antibody (Phospho-Ser ²⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00326	\$69
			200 µg		\$311
Stathmin 1 Antibody (Phospho-Ser ³⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00324	\$69
			200 µg		\$311
Stathmin1 Antibody (Ab-62), pAb, Rabbit	WB, IHC	Human	40 µg	A01258	\$50
			200 µg		\$225
Syk Antibody (Ab-323), pAb, Rabbit	IHC, IF	Human	40 µg	A01266	\$50
			200 µg		\$225
Syk Antibody (Phospho-Tyr ³²³), pAb, Rabbit	IHC, IF	Human	40 µg	A01275	\$69
			200 µg		\$311
Synapsin Antibody (Ab-9), pAb, Rabbit	WB	Human	40 µg	A00531	\$50
			200 µg		\$225
Synapsin Antibody (Phospho-Ser ⁹), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00551	\$69
			200 µg		\$311
Synaptophysin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat	40 µg	A01307	\$50
			200 µg		\$225
Synaptotagmin I/II Antibody (Ab-202/199), pAb, Rabbit	WB, IF	Human	40 µg	A01170	\$50
			200 µg		\$225
Tau Antibody (Ab-181), pAb, Rabbit	WB	Human	40 µg	A00397	\$50
			200 µg		\$225
Tau Antibody (Ab-205), pAb, Rabbit	WB	Human	40 µg	A00398	\$50
			200 µg		\$225
Tau Antibody (Ab-212), pAb, Rabbit	WB	Human, rat	40 µg	A00545	\$50
			200 µg		\$225
Tau Antibody (Ab-217), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A00942	\$50
			200 µg		\$225
Tau Antibody (Ab-231), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00400	\$50
			200 µg		\$225
Tau Antibody (Ab-235), pAb, Rabbit	WB	Human, mouse	40 µg	A00393	\$50
			200 µg		\$225
Tau Antibody (Ab-262), pAb, Rabbit	WB	Human, mouse	40 µg	A00600	\$50
			200 µg		\$225
Tau Antibody (Ab-396), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00389	\$50
			200 µg		\$225
Tau Antibody (Ab-404), pAb, Rabbit	WB	Human	40 µg	A00401	\$50
			200 µg		\$225
Tau Antibody (Ab-422), pAb, Rabbit	WB	Human, rat	100 µg	A00522	\$172
			200 µg		\$311
Tau Antibody (Phospho-Ser ¹⁹⁹), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A00894	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Tau Antibody (Phospho-Ser ²¹⁴), pAb, Rabbit	WB	Human, mouse, rat	100 µg	A00488	\$240
Tau Antibody (Phospho-Ser ²³⁵), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00402	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ²³⁵), pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01096	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ²⁶²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00489	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ³⁹⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00399	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ⁴⁰⁰), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A00898	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ⁴⁰⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00408	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ⁴⁰⁹), pAb, Rabbit	ELISA, WB	Human	40 µg	A00899	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ⁴²²), pAb, Rabbit	ELISA, WB	Human	40 µg	A00900	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ⁴²²), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01148	\$69
			200 µg		\$311
Tau Antibody (Phospho-Thr ¹⁸¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00403	\$69
			200 µg		\$311
Tau Antibody (Phospho-Thr ²⁰⁵), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00405	\$69
			200 µg		\$311
Tau Antibody (Phospho-Thr ²¹²), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01147	\$69
			200 µg		\$311
Tau Antibody (Phospho-Thr ²¹⁷), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A00896	\$69
			200 µg		\$311
Tau Antibody (Phospho-Thr ²³¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00406	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ²⁶²), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A01099	\$50
			200 µg		\$225
Tau Antibody (Phospho-Ser ³⁵⁶), pAb, Rabbit	ELISA, WB	Human	40 µg	A01048	\$50
			200 µg		\$225
Tau Antibody (Phospho-Ser ³⁹⁶), pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01387	\$50
			200 µg		\$225
Tau Antibody (Phospho-Ser ⁴⁰⁰), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A01049	\$50
			200 µg		\$225
Tau Antibody (Phospho-Ser ⁴⁰⁹), pAb, Rabbit	ELISA, WB	Human	40 µg	A01050	\$50
			200 µg		\$225
Tau Antibody (Phospho-Ser ⁴²²), pAb, Rabbit	ELISA, WB	Human	40 µg	A01051	\$50
			200 µg		\$225
TDP43 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01304	\$50
			200 µg		\$225
TPMT Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01248	\$50
			200 µg		\$225
TrkA Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01403	\$50
			200 µg		\$225
TrkA Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01404	\$50
			200 µg		\$225
TrkB Antibody (Phospho-Tyr ⁷⁰⁵), pAb, Rabbit	WB	Human, mouse	40 µg	A01186	\$69
			200 µg		\$311
TYK2 Antibody (Ab-1054), pAb, Rabbit	IHC	Human	40 µg	A00416	\$50
			200 µg		\$225
TYK2 Antibody (Phospho-Tyr ¹⁰⁵⁴), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01184	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Ubiquitin Antibody, mAb, Mouse	IF	NA	100 µg	A00134	\$204
Ubiquitin Antibody, pAb, Rabbit	WB, IF	NA	100 µg	A00133	\$204
VASP Antibody (Ab-157), pAb, Rabbit	WB, IF	Human	40 µg	A00458	\$50
			200 µg		\$225
VASP Antibody (Ab-239), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00451	\$50
			200 µg		\$225
VASP Antibody (Phospho-Ser ¹⁵⁷), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00332	\$69
			200 µg		\$311
VASP Antibody (Phospho-Ser ²³⁹), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00353	\$69
			200 µg		\$311
Vav Antibody (Ab-174), pAb, Rabbit	WB	Human	40 µg	A00448	\$50
			200 µg		\$225
Vav Antibody (Phospho-Tyr ¹⁷⁴), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00368	\$69
			200 µg		\$311
VEGFR2 Antibody (Ab-1175), pAb, Rabbit	IHC	Human	40 µg	A00352	\$50
			200 µg		\$225
VEGFR2 Antibody (Ab-1214), pAb, Rabbit	IHC	Human	40 µg	A00355	\$50
			200 µg		\$225
VEGFR2 Antibody (Ab-951), pAb, Rabbit	WB, IHC	Human	40 µg	A00357	\$50
			200 µg		\$225
VEGFR2 Antibody (Phospho-Tyr ¹¹⁷⁵), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00366	\$69
			200 µg		\$311
VEGFR2 Antibody (Phospho-Tyr ¹²¹⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00367	\$69
			200 µg		\$311
VEGFR2 Antibody (Phospho-Tyr ⁹⁵¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00370	\$69
			200 µg		\$311
Vimentin Antibody, pAb, Chicken	IF	Human, rat, mouse	100 µg	A00152	\$204
Vimentin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human*	40 µg	A01189	\$50
			200 µg		\$225
Zap-70 Antibody (Ab-319), pAb, Rabbit	WB, IHC	Human	100 µg	A00594	\$172
			40 µg		\$50
Zap-70 Antibody (Ab-493), pAb, Rabbit	IHC	Human	200 µg	A00593	\$225
			40 µg		\$69
Zap-70 Antibody (Phospho-Tyr ³¹⁹), pAb, Rabbit	WB, IF	Human, mouse, rat	200 µg	A00491	\$311
			40 µg		\$69
Zap-70 Antibody (Phospho-Tyr ⁴⁹³), pAb, Rabbit	IHC	Human, mouse, rat	200 µg	A00492	\$311
			40 µg		\$50
α-catenin Antibody (Ab-177), pAb, Rabbit	WB, IHC	Human	200 µg	A01230	\$225
			40 µg		\$50
α-Catenin Antibody (Ab-641), pAb, Rabbit	WB	Human	200 µg	A00931	\$225
			40 µg		\$69
α-Catenin Antibody (Phospho-Ser ⁶⁴¹), pAb, Rabbit	WB	Human	200 µg	A00923	\$311
			40 µg		\$69
α-Synuclein Antibody (Phospho-Ser ¹²⁹), pAb, Rabbit	WB	Human, mouse, rat	200 µg	A01144	\$311
			40 µg		\$50
β-Amyloid Antibody (1-17), pAb, Rabbit	ELISA, WB, IF	Human	200 µg	A00685	\$225
			40 µg		\$50
β-Amyloid Antibody (1-40), pAb, Rabbit	ELISA, WB, IF	Human	200 µg	A00688	\$225
			40 µg		\$50
β-Amyloid Antibody (25-35), pAb, Rabbit	ELISA, WB	Human	200 µg	A00687	\$225
			40 µg		\$89
β-Amyloid Antibody (32-40), pAb, Rabbit	ELISA, WB, IF	Human	40 µg	A00689	\$50
			200 µg		\$225
β-Catenin Antibody (Ab-37), pAb, Rabbit	WB, IHC, IF	Human	200 µg	A00582	\$225
			40 µg		\$50
β-Catenin Antibody (Ab-41, 45), pAb, Rabbit	WB	Human	200 µg	A00407	\$225
			40 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Tau Antibody (Phospho-Ser ²¹⁴), pAb, Rabbit	WB	Human, mouse, rat	100 µg	A00488	\$240
Tau Antibody (Phospho-Ser ²³⁵), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00402	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ²³⁵), pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg	A01096	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ²⁶²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00489	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ³⁹⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00399	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ⁴⁰⁰), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A00898	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ⁴⁰⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00408	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ⁴⁰⁹), pAb, Rabbit	ELISA, WB	Human	40 µg	A00899	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ⁴²²), pAb, Rabbit	ELISA, WB	Human	40 µg	A00900	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ⁴²²), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01148	\$69
			200 µg		\$311
Tau Antibody (Phospho-Thr ¹⁸¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00403	\$69
			200 µg		\$311
Tau Antibody (Phospho-Thr ²⁰⁵), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00405	\$69
			200 µg		\$311
Tau Antibody (Phospho-Thr ²¹²), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01147	\$69
			200 µg		\$311
Tau Antibody (Phospho-Thr ²¹⁷), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A00896	\$69
			200 µg		\$311
Tau Antibody (Phospho-Thr ²³¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00406	\$69
			200 µg		\$311
Tau Antibody (Phospho-Ser ²⁶²), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A01099	\$50
			200 µg		\$225
Tau Antibody (Phospho-Ser ³⁵⁶), pAb, Rabbit	ELISA, WB	Human	40 µg	A01048	\$50
			200 µg		\$225
Tau Antibody (Phospho-Ser ³⁹⁶), pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01387	\$50
			200 µg		\$225
Tau Antibody (Phospho-Ser ⁴⁰⁰), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A01049	\$50
			200 µg		\$225
Tau Antibody (Phospho-Ser ⁴⁰⁹), pAb, Rabbit	ELISA, WB	Human	40 µg	A01050	\$50
			200 µg		\$225
Tau Antibody (Phospho-Ser ⁴²²), pAb, Rabbit	ELISA, WB	Human	40 µg	A01051	\$50
			200 µg		\$225
TDP43 Antibody, pAb, Rabbit	ELISA, WB	Human, mouse, rat*	40 µg	A01304	\$50
			200 µg		\$225
TPMT Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01248	\$50
			200 µg		\$225
TrkA Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01403	\$50
			200 µg		\$225
TrkA Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01404	\$50
			200 µg		\$225
TrkB Antibody (Phospho-Tyr ⁷⁰⁵), pAb, Rabbit	WB	Human, mouse	40 µg	A01186	\$69
			200 µg		\$311
TYK2 Antibody (Ab-1054), pAb, Rabbit	IHC	Human	40 µg	A00416	\$50
			200 µg		\$225
TYK2 Antibody (Phospho-Tyr ¹⁰⁵⁴), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01184	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Ubiquitin Antibody, mAb, Mouse	IF	NA	100 µg	A00134	\$204
Ubiquitin Antibody, pAb, Rabbit	WB, IF	NA	100 µg	A00133	\$204
VASP Antibody (Ab-157), pAb, Rabbit	WB, IF	Human	40 µg	A00458	\$50
			200 µg		\$225
VASP Antibody (Ab-239), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00451	\$50
			200 µg		\$225
VASP Antibody (Phospho-Ser ¹⁵⁷), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00332	\$69
			200 µg		\$311
VASP Antibody (Phospho-Ser ²³⁹), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00353	\$69
			200 µg		\$311
Vav Antibody (Ab-174), pAb, Rabbit	WB	Human	40 µg	A00448	\$50
			200 µg		\$225
Vav Antibody (Phospho-Tyr ¹⁷⁴), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00368	\$69
			200 µg		\$311
VEGFR2 Antibody (Ab-1175), pAb, Rabbit	IHC	Human	40 µg	A00352	\$50
			200 µg		\$225
VEGFR2 Antibody (Ab-1214), pAb, Rabbit	IHC	Human	40 µg	A00355	\$50
			200 µg		\$225
VEGFR2 Antibody (Ab-951), pAb, Rabbit	WB, IHC	Human	40 µg	A00357	\$50
			200 µg		\$225
VEGFR2 Antibody (Phospho-Tyr ¹¹⁷⁵), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00366	\$69
			200 µg		\$311
VEGFR2 Antibody (Phospho-Tyr ¹²¹⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00367	\$69
			200 µg		\$311
VEGFR2 Antibody (Phospho-Tyr ⁹⁵¹), pAb, Rabbit	WB, IHC, IF	Human, mouse ,rat	40 µg	A00370	\$69
			200 µg		\$311
Vimentin Antibody, pAb, Chicken	IF	Human, rat, mouse	100 µg	A00152	\$204
Vimentin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human*	40 µg	A01189	\$50
			200 µg		\$225
Zap-70 Antibody (Ab-319), pAb, Rabbit	WB, IHC	Human	100 µg	A00594	\$172
			40 µg		\$50
Zap-70 Antibody (Ab-493), pAb, Rabbit	IHC	Human	200 µg	A00593	\$225
			40 µg		\$69
Zap-70 Antibody (Phospho-Tyr ³¹⁹), pAb, Rabbit	WB, IF	Human, mouse, rat	200 µg	A00491	\$311
			40 µg		\$69
Zap-70 Antibody (Phospho-Tyr ⁴⁹³), pAb, Rabbit	IHC	Human, mouse, rat	200 µg	A00492	\$311
			40 µg		\$50
α-catenin Antibody (Ab-177), pAb, Rabbit	WB, IHC	Human	200 µg	A01230	\$225
			40 µg		\$50
α-Catenin Antibody (Ab-641), pAb, Rabbit	WB	Human	200 µg	A00931	\$225
			40 µg		\$69
α-Catenin Antibody (Phospho-Ser ⁶⁴¹), pAb, Rabbit	WB	Human	200 µg	A00923	\$311
			40 µg		\$69
α-Synuclein Antibody (Phospho-Ser ¹²⁹), pAb, Rabbit	WB	Human, mouse, rat	200 µg	A01144	\$311
			40 µg		\$50
β-Amyloid Antibody (1-17), pAb, Rabbit	ELISA, WB, IF	Human	200 µg	A00685	\$225
			40 µg		\$50
β-Amyloid Antibody (1-40), pAb, Rabbit	ELISA, WB, IF	Human	200 µg	A00688	\$225
			40 µg		\$50
β-Amyloid Antibody (25-35), pAb, Rabbit	ELISA, WB	Human	200 µg	A00687	\$225
			40 µg		\$89
β-Amyloid Antibody (32-40), pAb, Rabbit	ELISA, WB, IF	Human	40 µg	A00689	\$50
			200 µg		\$225
β-Catenin Antibody (Ab-37), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00582	\$50
			200 µg		\$225
β-Catenin Antibody (Ab-41, 45), pAb, Rabbit	WB	Human	40 µg	A00407	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
β-catenin Antibody (Ab-654), pAb, Rabbit	WB	Human	40 µg 200 µg	A01229	\$50 \$225
β-Catenin Antibody (Phospho-Ser ³³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00499	\$69 \$311
β-Catenin Antibody (Phospho-Ser ³⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00500	\$69 \$311
β-Catenin Antibody (Phospho-Thr ⁴¹ , Ser ⁴⁵), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00417	\$69 \$311
β-Catenin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg 200 µg	A01235	\$50 \$225

*: This product has not been tested with reactivity to other species.
NA: Not available.

Signal Transduction Antibodies

Signal transduction refers to the passing of a signal from the outside to the inside of a cell. The incoming signal can lead to changes in cellular activity such as gene transcription. This phenomenon is found in all organisms, from the very simple bacteria reacting to changes in their environment to complex organisms that use cell signaling to control and regulate their organization and development. Often, second messengers are involved in a signal transduction pathway. A signaling cascade forms if the pathway involves numerous proteins and second

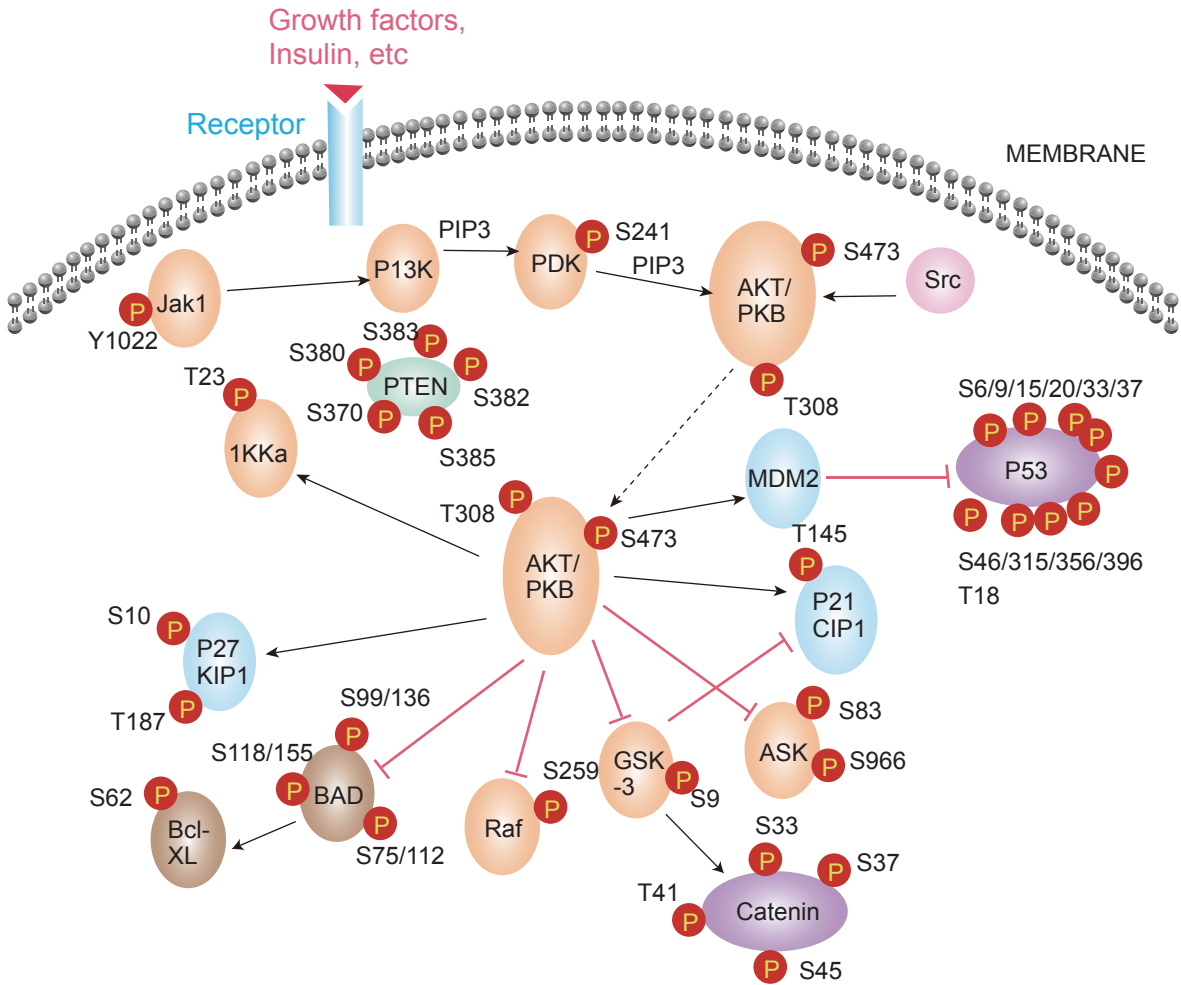
messengers. Massive amplification of the original input signal occurs because of this.

GenScript has a wide selection of signal transduction antibodies, including Akt, Apoptosis, Cytoskeletal, Nuclear Signaling, etc. They are appropriate for ELISA, Western blot, and immunohistochemistry (IHC) applications as noted for each signal transduction antibody.

Akt

Akt protein family, of which the members are also called protein kinases B (PKB), plays a key role in mammalian cellular signaling. Akt possesses a protein domain known as a Pleckstrin Homology domain (PH domain) which is named after

Pleckstrin, the protein in which it was first discovered. This domain binds to phosphoinositides with high affinity. GenScript offers a wide selection of antibodies that can be used in your Akt/PKB signaling pathway research.



Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
14-3-3 ζ Antibody (Ab-58), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A00662	\$50 \$225
4E-BP1 Antibody (Ab-36), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00460	\$50 \$225
4E-BP1 Antibody (Phospho-Thr ³⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00329	\$69 \$311
4E-BP1 Antibody (Phospho-Thr ⁴⁵), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00328	\$69 \$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
AFX Antibody (Ab-197), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00445	\$50 \$225
AFX Antibody (Phospho-Ser ¹⁹⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00372	\$69 \$311
Akt Antibody (Ab-308), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00304	\$50 \$225
Akt Antibody (Ab-473), pAb, Rabbit	IHC	Human	40 µg 200 µg	A00301	\$50 \$225
Akt Antibody (Phospho-Ser ⁴⁷³), pAb, Rabbit	IHC	Human	40 µg 200 µg	A00272	\$69 \$311
Akt Antibody (Phospho-Ser ⁴⁷³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00965	\$69 \$311
Akt Antibody (Phospho-Thr ³⁰⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00275	\$69 \$311
AKT1 Antibody (Phospho-Thr ⁴⁵⁰), pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A01291	\$69 \$311
AKT1/AKT2 Antibody (Ab-308/309), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A01252	\$50 \$225
AKT1/AKT2/AKT3 Antibody (Ab-315/316/312), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A01227	\$50 \$225
AKT1/AKT2/AKT3 Antibody (Phospho-Tyr ^{315/316/312}), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01217	\$69 \$311
Akt2 Antibody (Ab-474), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00441	\$50 \$225
Akt2 Antibody (Phospho-Ser ⁴⁷⁴), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00385	\$69 \$311
ASK1 Antibody (Ab-83), pAb, Rabbit	WB	Human	40 µg 200 µg	A00422	\$50 \$225
ASK1 Antibody (Phospho-Ser ⁸³), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00341	\$69 \$311
ASK1 Antibody (Phospho-Ser ⁹⁶⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg 200 µg	A00340	\$69 \$311
BAD Antibody (Ab-112), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00309	\$50 \$225
BAD Antibody (Ab-136), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00310	\$50 \$225
BAD Antibody (Ab-155), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00311	\$50 \$225
BAD Antibody (Phospho-Ser ¹¹²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00295	\$69 \$311
BAD Antibody (Phospho-Ser ¹³⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A01156	\$69 \$311
BCL-XL Antibody (Ab-62), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00308	\$50 \$225
BCL-XL Antibody (Phospho-Ser ⁶²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00294	\$69 \$311
BIM Antibody (Ab-69), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A00514	\$50 \$225
cAMP Antibody, pAb, Rabbit	ELISA	NA	40 µl 200 µl	A00614	\$85 \$400
c-Jun Antibody (Ab-239), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00235	\$50 \$225
c-Jun Antibody (Ab-243), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00238	\$50 \$225
c-Jun Antibody (Ab-63), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A00580	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
c-Jun Antibody (Ab-91), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00231	\$50 \$225
c-Jun Antibody (Ab-93), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00233	\$50 \$225
c-Jun Antibody (Phospho-Ser ²⁴³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00237	\$69 \$311
c-Jun Antibody (Phospho-Ser ⁷³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00194	\$69 \$311
c-Jun Antibody (Phospho-Thr ⁹¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00232	\$69 \$311
c-Jun Antibody (Phospho-Thr ⁹³), pAb, Rabbit	WB, IHC	NA	40 µg 200 µg	A00234	\$69 \$311
c-Jun Antibody (Phospho-Tyr ¹⁷⁰), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00471	\$69 \$311
eIF2α Antibody (Phospho-Ser ⁴⁹), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01270	\$69 \$311
eIF4E Antibody (Phospho-Ser ²⁰⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00504	\$69 \$311
eIF4G Antibody (Ab-1232), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A01228	\$50 \$225
eIF4G Antibody (Phospho-Ser ¹²³²), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A01218	\$69 \$311
eNOS Antibody (Ab-1177), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A01152	\$50 \$225
eNOS Antibody (Phospho-Ser ¹¹⁷⁷), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A01158	\$69 \$311
FAK Antibody (Ab-861), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00350	\$50 \$225
FAK Antibody (Ab-925), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00434	\$50 \$225
FAK Antibody (Phospho-Tyr ³⁹⁷), pAb, Rabbit	WB, IF	Human, rat	40 µg 200 µg	A01142	\$69 \$311
FAK Antibody (Phospho-Tyr ⁶⁶¹), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00287	\$69 \$311
FKHR Antibody (Ab-256), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00427	\$50 \$225
FKHR Antibody (Ab-319), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00444	\$50 \$225
FKHR Antibody (Phospho-Ser ²⁶⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00395	\$69 \$311
FKHR Antibody (Phospho-Ser ³¹⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00373	\$69 \$311
FKHRL1 Antibody (Phospho-Ser ²⁵³), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00354	\$69 \$311
Gab1 Antibody (Ab-627), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00512	\$50 \$225
Gab1 Antibody (Phospho-Tyr ⁶²⁷), pAb, Rabbit	WB, IF	Human, mouse	40 µg 200 µg	A00568	\$69 \$311
GSK3α Antibody (Ab-21), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00210	\$50 \$225
GSK3β Antibody (Ab-9), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00196	\$50 \$225
GSK3β Antibody (Phospho-Ser ⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00193	\$69 \$311
GSK3β Antibody (Phospho-Tyr ²¹⁶), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A01031	\$69 \$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
IKKα Antibody (Ab-23), pAb, Rabbit	WB, IHC	Human	40 µg	A00421	\$50
			200 µg		\$225
IKKα Antibody (Phospho-Thr ²³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00356	\$69
			200 µg		\$311
IRS-1 Antibody (Ab-307), pAb, Rabbit	IHC, IF	Human	100 µg	A00572	\$172
IRS-1 Antibody (Ab-312), pAb, Rabbit	WB	Human	40 µg	A01151	\$50
			200 µg		\$225
IRS-1 Antibody (Ab-639), pAb, Rabbit	WB, IF	Human	40 µg	A01042	\$50
			200 µg		\$225
IRS-1 Antibody (Phospho-Ser ³⁰⁷), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00506	\$69
			200 µg		\$311
IRS-1 Antibody (Phospho-Ser ⁶³⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00503	\$69
			200 µg		\$311
IRS-1 Antibody (Phospho-Ser ⁶³⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A01027	\$69
			200 µg		\$311
IκB-α Antibody (Ab-32, 36), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00609	\$50
			200 µg		\$225
IκB-α Antibody (Ab-42), pAb, Rabbit	WB, IHC	Human	40 µg	A00453	\$50
			200 µg		\$225
IκB-α Antibody (Phospho-Ser ^{32, 36}), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00359	\$69
			200 µg		\$311
IκB-α Antibody (Phospho-Tyr ⁴²), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00349	\$69
			200 µg		\$311
JAK1 Antibody (Ab-1022), pAb, Rabbit	WB, IHC	Human	40 µg	A00418	\$50
			200 µg		\$225
JAK1 Antibody (Phospho-Tyr ¹⁰²²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00363	\$69
			200 µg		\$311
JAK2 Antibody (Ab-1007), pAb, Rabbit	WB	Human, mouse	40 µg	A01185	\$50
			200 µg		\$225
JAK2 Antibody (Ab-221), pAb, Rabbit	IHC	Human	40 µg	A00419	\$50
			200 µg		\$225
JAK2 Antibody (Phospho-Tyr ²²¹), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00362	\$69
			200 µg		\$311
Met Antibody (Ab-1234), pAb, Rabbit	WB	Human	40 µg	A00464	\$50
			200 µg		\$225
Met Antibody (Ab-1349), pAb, Rabbit	WB	Human	40 µg	A00569	\$50
			200 µg		\$225
Met Antibody (Phospho-Tyr ¹²³⁴), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00321	\$69
			200 µg		\$311
Met Antibody (Phospho-Tyr ¹³⁴⁹), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00507	\$69
			200 µg		\$311
mTOR Antibody (Phospho-Ser ²⁴⁴⁸), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00643	\$69
			200 µg		\$311
NF-κB p100/p52 Antibody (Ab-866), pAb, Rabbit	WB, IHC	Human	40 µg	A00583	\$50
			200 µg		\$225
NF-κB p100/p52 Antibody (Ab-870), pAb, Rabbit	WB, IHC	Human	40 µg	A00225	\$50
			200 µg		\$225
NF-κB p100/p52 Antibody (Phospho-Ser ⁹⁷⁰), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00226	\$69
			200 µg		\$311
NF-κB p105/p50 Antibody (Ab-337), pAb, Rabbit	IHC	Human	40 µg	A00585	\$50
			200 µg		\$225
NF-κB p105/p50 Antibody (Ab-893), pAb, Rabbit	WB, IHC	Human	40 µg	A00227	\$50
			200 µg		\$225
NF-κB p105/p50 Antibody (Ab-907), pAb, Rabbit	WB, IHC	Human	40 µg	A00228	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
NF-κB p105/p50 Antibody (Ab-932), pAb, Rabbit	WB, IHC	Human	40 µg	A00555	\$50
			200 µg		\$225
NF-κB p105/p50 Antibody (Phospho-Ser ³³⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00470	\$69
			200 µg		\$311
NF-κB p105/p50 Antibody (Phospho-Ser893), pAb, Rabbit	IHC, IF	Human	40 µg	A00229	\$69
			200 µg		\$311
NF-κB p105/p50 Antibody (Phospho-Ser907), pAb, Rabbit	WB, IHC	Human	40 µg	A00230	\$69
			200 µg		\$311
NF-κB p105/p50 Antibody (Phospho-Ser932), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00534	\$69
			200 µg		\$311
NF-κB p65 Antibody (Ab-276), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00212	\$50
			200 µg		\$225
NF-κB p65 Antibody (Ab-435), pAb, Rabbit	WB, IHC	Human	40 µg	A00213	\$50
			200 µg		\$225
NF-κB p65 Antibody (Ab-468), pAb, Rabbit	WB, IHC	Human	40 µg	A00219	\$50
			200 µg		\$225
NF-κB p65 Antibody (Ab-529), pAb, Rabbit	WB, IHC	Human	40 µg	A00459	\$50
			200 µg		\$225
NF-κB p65 Antibody (Ab-536), pAb, Rabbit	WB, IHC	Human	40 µg	A00222	\$50
			200 µg		\$225
NF-κB p65 Antibody (Phospho-Ser ²⁷⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00220	\$69
			200 µg		\$311
NF-κB p65 Antibody (Phospho-Ser ³¹¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00543	\$69
			200 µg		\$311
NF-κB p65 Antibody (Phospho-Ser ⁵²⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00330	\$69
			200 µg		\$311
NF-κB p65 Antibody (phospho-ser ⁵³⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00224	\$69
			200 µg		\$311
NF-κB p65 Antibody (Phospho-Thr ²⁵⁴), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00468	\$69
			200 µg		\$311
NF-κB p65 Antibody (Phospho-Thr ⁴³⁵), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00221	\$69
			200 µg		\$311
p21Cip1 Antibody (Ab-145), pAb, Rabbit	WB	Human	40 µg	A01150	\$50
			200 µg		\$225
p21Cip1 Antibody (Phospho-Thr ¹⁴⁵), pAb, Rabbit	IHC	Human	40 µg	A01160	\$69
			200 µg		\$311
p27Kip1 Antibody (Ab-10), pAb, Rabbit	WB, IHC	Human	40 µg	A00436	\$50
			200 µg		\$225
p27Kip1 Antibody (Phospho-Thr ¹⁸⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00333	\$69
			200 µg		\$311
p53 Antibody (Ab-15), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00595	\$50
			200 µg		\$225
p53 Antibody (Ab-315), pAb, Rabbit	WB	Human	40 µg	A00598	\$50
			200 µg		\$225
p53 Antibody (Ab-37), pAb, Rabbit	WB	Human	40 µg	A01221	\$50
			200 µg		\$225
p53 Antibody (Ab-46), pAb, Rabbit	WB	Human	40 µg	A00596	\$50
			200 µg		\$225
p53 Antibody (Ab-9), pAb, Rabbit	WB	Human	40 µg	A01162	\$50
			200 µg		\$225
p53 Antibody (Phospho-Ser ³¹⁵), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00485	\$69
			200 µg		\$311
p53 Antibody (Phospho-Ser ³⁷), pAb, Rabbit	WB, IF	Human	40 µg	A01213	\$69
			200 µg		\$311
p53 Antibody (Phospho-Ser ⁴⁶), pAb, Rabbit	WB, IF	Human	40 µg	A00484	\$69
			200 µg		\$311

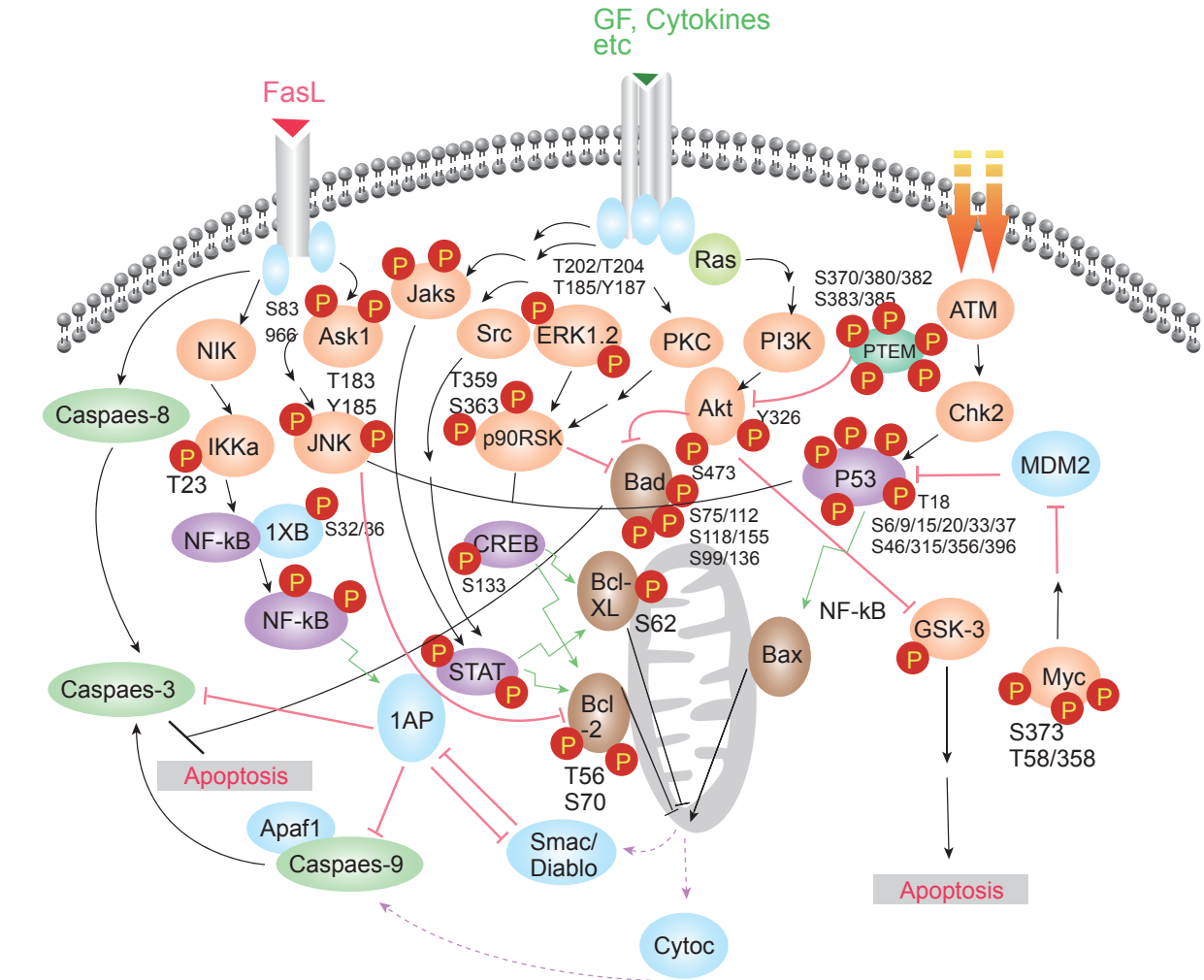
Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
p53 Antibody (Phospho-Ser ⁶), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A01168	\$69 \$311
p70 S6 Kinase Antibody (Ab-411), pAb, Rabbit	WB, IHC, IF	Human	100 µg	A00527	\$172
p70 S6 Kinase Antibody (Ab-421), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00550	\$50 \$225
p70 S6 Kinase Antibody (Ab-424), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00516	\$50 \$225
p70 S6 Kinase Antibody (Phospho-Ser ⁴¹¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00554	\$69 \$311
p70 S6 Kinase Antibody (Phospho-Thr ⁴²¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00539	\$69 \$311
Paxillin Antibody (Ab-118), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00409	\$50 \$225
Paxillin Antibody (Ab-31), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00456	\$50 \$225
Paxillin Antibody (Phospho-Tyr ¹¹⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00379	\$69 \$311
PDK1 Antibody (Ab-241), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00208	\$50 \$225
PDK1 Antibody (Phospho-Ser ²⁴¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00207	\$69 \$311
PP2A-α Antibody, pAb, Rabbit	WB	Human	40 µg 200 µg	A01226	\$50 \$225
PTEN Antibody (Ab-370), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00303	\$50 \$225
PTEN Antibody (Phospho-Ser ³⁷⁰), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00290	\$69 \$311
Pyk2 Antibody (Ab-402), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00586	\$50 \$225
Pyk2 Antibody (Phospho-Tyr ⁴⁰²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00498	\$69 \$311
Rac1 Antibody (Ab-71), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00660	\$50 \$225
Raf-1 Antibody (Ab-259), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00209	\$50 \$225
Raf1 Antibody (Ab-338), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A01153	\$50 \$225
S6 Ribosomal Protein Antibody (Ab-235), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00465	\$50 \$225
S6 Ribosomal Protein Antibody (Phospho-Ser ²³⁵), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00315	\$69 \$311
Zap-70 Antibody (Ab-319), pAb, Rabbit	WB, IHC	Human	100 µg	A00594	\$172
Zap-70 Antibody (Ab-493), pAb, Rabbit	IHC	Human	40 µg 200 µg	A00593	\$50 \$225
Zap-70 Antibody (Phospho-Tyr ³¹⁹), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00491	\$69 \$311
Zap-70 Antibody (Phospho-Tyr ⁴⁹³), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00492	\$69 \$311

*: This product has not been tested with reactivity to other species.
 NA: Not Available.

Cancer/Apoptosis

Apoptosis is the process of programmed cell death (PCD) that may occur in multicellular organisms. PCD involves a series of biochemical events leading to a characteristic cell morphology and death. A variety of morphological changes, such as blebbing, loss of membrane asymmetry and attachment, cell shrinkage, nuclear fragmentation, chromatin condensation, and chromosomal DNA fragmentation are caused by apoptosis that

involves a series of biochemical events. Processes of disposal of cellular debris whose results do not damage the organism differentiate apoptosis from necrosis. Apoptosis also plays a role in cancer prevention. Tumor develops if a cell is unable to undergo apoptosis because of mutation or biochemical inhibition. GenScript offers a wide selection of antibodies that can be used in your cancer and apoptosis research.



Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
14-3-3 ζ Antibody (Phospho-Ser ⁶⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00919	\$69 \$311
4E-BP1 Antibody (Ab-36), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00460	\$50 \$225
4E-BP1 Antibody (Ab-45), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00461	\$50 \$225
AFX Antibody (Ab-197), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00445	\$50 \$225
AFX Antibody (Phospho-Ser ¹⁹⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00372	\$69 \$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Akt2 Antibody (Ab-474), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00441	\$50 \$225
ASK1 Antibody (Ab-83), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00422	\$50 \$225
ASK1 Antibody (Ab-966), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A00425	\$50 \$225
ASK1 Antibody (Phospho-Ser ⁸³), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00341	\$69 \$311
ASK1 Antibody (Phospho-Ser ⁹⁶⁶), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A00340	\$69 \$311
ATM Antibody (Ab-1981), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A01222	\$50 \$225
BAD Antibody (Ab-112), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00309	\$50 \$225
BAD Antibody (Ab-136), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00310	\$50 \$225
BAD Antibody (Ab-155), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00311	\$50 \$225
BAD Antibody (Phospho-Ser ¹¹²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00295	\$69 \$311
BAD Antibody (Phospho-Ser ¹³⁶), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A01156	\$69 \$311
BCL-2 Antibody (Phospho-Ser ⁷⁰), pAb, Rabbit	ELISA, IHC	Human	40 µg 200 µg	A00293	\$69 \$311
BCL-2 Antibody (Phospho-Thr ⁵⁶), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00292	\$69 \$311
BCL-XL Antibody (Phospho-Ser ⁶²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00294	\$69 \$311
BIM Antibody (Ab-69), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A00514	\$50 \$225
BIM Antibody (Phospho-Ser ⁶⁹), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A00566	\$69 \$311
c-Cbl Antibody (Phospho-Tyr ⁷⁰⁰), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01276	\$69 \$311
CDC2 Antibody (Ab-15), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00565	\$50 \$225
CDC2 Antibody (Ab-161), pAb, Rabbit	WB, IF	Human	100 µg	A00599	\$172
cdc2 Antibody (Ab-19), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01295	\$50 \$225
CDC2 Antibody (Phospho-Thr ¹⁶¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00374	\$69 \$311
CDC2 Antibody (Phospho-Tyr ¹⁵), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00524	\$69 \$311
CDK6 Antibody (Ab-13), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01264	\$50 \$225
CDK6 Antibody (Ab-24), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01265	\$50 \$225
CDK6 Antibody (Phospho-Tyr ²⁴), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01274	\$69 \$311
CREB Antibody (Ab-129), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00519	\$50 \$225
CREB Antibody (Ab-133), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00286	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
CREB Antibody (Phospho-Ser ¹²⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00556	\$69 \$311
CREB Antibody (Phospho-Ser ¹³³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00267	\$69 \$311
FKHR Antibody (Ab-256), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00427	\$50 \$225
FKHR Antibody (Ab-319), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00444	\$50 \$225
FKHR Antibody (Phospho-Ser ²⁵⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00395	\$69 \$311
FKHR Antibody (Phospho-Ser ³¹⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00373	\$69 \$311
FKHRL1 Antibody (Ab-253), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg 200 µg	A00450	\$50 \$225
FKHRL1 Antibody (Phospho-Ser ²⁵³), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00354	\$69 \$311
GSK3α Antibody (Ab-21), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00210	\$50 \$225
GSK3α Antibody (Phospho-Ser ²¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00216	\$69 \$311
GSK3β Antibody (Ab-9), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00196	\$50 \$225
GSK3β Antibody (Phospho-Ser ⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00193	\$69 \$311
HSP27 Antibody (Ab-15), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00432	\$50 \$225
HSP27 Antibody (Ab-78), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00560	\$50 \$225
HSP27 Antibody (Ab-82), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00558	\$50 \$225
HSP27 Antibody (Phospho-Ser ¹⁵), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00343	\$69 \$311
HSP27 Antibody (Phospho-Ser ⁷⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00528	\$69 \$311
HSP27 Antibody (Phospho-Ser ⁸²), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00530	\$69 \$311
HSP90B Antibody (Ab-254), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00672	\$50 \$225
HtrA2 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg 200 µg	A01427	\$50 \$225
IKKα Antibody (Ab-23), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00421	\$50 \$225
IKKα Antibody (Phospho-Thr ²³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00356	\$69 \$311
IkB-α Antibody (Ab-32, 36), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00609	\$50 \$225
IkB-α Antibody (Ab-42), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00453	\$50 \$225
IkB-α Antibody (Phospho-Ser ^{32,36}), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A00359	\$69 \$311
IkB-α Antibody (Phospho-Tyr ⁴²), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00349	\$69 \$311
IkB-β Antibody (Ab-23), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00928	\$50 \$225
IkB-β Antibody (Phospho-Ser ²³), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A01032	\$69 \$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
JAK1 Antibody (Ab-1022), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00418	\$50 \$225
JAK1 Antibody (Phospho-Tyr ¹⁰²²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00363	\$69 \$311
JAK2 Antibody (Ab-1007), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A01185	\$50 \$225
JAK2 Antibody (Ab-221), pAb, Rabbit	IHC	Human	40 µg 200 µg	A00419	\$50 \$225
Jak2 Antibody (Ab-570), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01259	\$50 \$225
JAK2 Antibody (Phospho-Tyr ¹⁰⁰⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00360	\$69 \$311
JAK2 Antibody (Phospho-Tyr ²²¹), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00362	\$69 \$311
LC3A Antibody, pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00971	\$50 \$225
MEK1 Antibody (Ab-221), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00452	\$50 \$225
NF-κB p100/p52 Antibody (Ab-866), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00583	\$50 \$225
NF-κB p100/p52 Antibody (Ab-870), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00225	\$50 \$225
NF-κB p100/p52 Antibody (Phospho-Ser ⁸⁶⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00469	\$69 \$311
NF-κB p100/p52 Antibody (Phospho-Ser ⁸⁷⁰), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00226	\$69 \$311
NF-κB p105/p50 Antibody (Ab-337), pAb, Rabbit	IHC	Human	40 µg 200 µg	A00585	\$50 \$225
NF-κB p105/p50 Antibody (Ab-893), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00227	\$50 \$225
NF-κB p105/p50 Antibody (Ab-907), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00228	\$50 \$225
NF-κB p105/p50 Antibody (Ab-927), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00929	\$50 \$225
NF-κB p105/p50 Antibody (Ab-932), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00555	\$50 \$225
NF-κB p105/p50 Antibody (Phospho-Ser ³³⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00470	\$69 \$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁸⁹³), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A00229	\$69 \$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁹⁰⁷), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00230	\$69 \$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁹²⁷), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00922	\$69 \$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁹³²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00534	\$69 \$311
NF-κB p65 Antibody (Ab-276), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00212	\$50 \$225
NF-κB p65 Antibody (Ab-311), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00542	\$50 \$225
NF-κB p65 Antibody (Ab-435), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00213	\$50 \$225
NF-κB p65 Antibody (Ab-468), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00219	\$50 \$225
NF-κB p65 Antibody (Ab-505), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A01163	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
NF-κB p65 Antibody (Ab-529), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00459	\$50 \$225
NF-κB p65 Antibody (Ab-536), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00222	\$50 \$225
NF-κB p65 Antibody (Phospho-Ser ²⁷⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00220	\$69 \$311
NF-κB p65 Antibody (Phospho-Ser ³¹¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00543	\$69 \$311
NF-κB p65 Antibody (Phospho-Ser ⁴⁶⁸), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00223	\$69 \$311
NF-κB p65 Antibody (Phospho-Ser ⁵²⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00330	\$69 \$311
NF-κB p65 Antibody (phospho-ser ⁵³⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00224	\$69 \$311
NF-κB p65 Antibody (Phospho-Thr ²⁵⁴), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00468	\$69 \$311
NF-κB p65 Antibody (Phospho-Thr ⁴³⁵), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00221	\$69 \$311
NF-κB p65 Antibody (Phospho-Thr ⁵⁰⁵), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A01159	\$69 \$311
Niban Antibody, pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00933	\$50 \$225
p44/42 MAP Kinase Antibody (Ab-202), pAb, Rabbit	WB	Human	40 µg 200 µg	A00564	\$50 \$225
p44/42 MAP Kinase Antibody (Ab-204), pAb, Rabbit	WB	Human, mouse	100 µg	A00562	\$172
p44/42 MAP Kinase Antibody (Phospho-Thr ²⁰²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00525	\$69 \$311
p44/42 MAP Kinase Antibody (Phospho-Tyr ²⁰⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00526	\$69 \$311
p53 Antibody (Ab-15), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00595	\$50
p53 Antibody (Ab-315), pAb, Rabbit	WB	Human	40 µg 200 µg	A00598	\$50 \$225
p53 Antibody (Ab-37), pAb, Rabbit	WB	Human	40 µg 200 µg	A01221	\$50 \$225
p53 Antibody (Ab-46), pAb, Rabbit	WB	Human	40 µg 200 µg	A00596	\$50 \$225
p53 Antibody (Ab-9), pAb, Rabbit	WB	Human	40 µg 200 µg	A01162	\$50 \$225
p53 Antibody (Phospho-Ser ³¹⁵), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00485	\$69 \$311
p53 Antibody (Phospho-Ser ³⁷), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A01213	\$69 \$311
p53 Antibody (Phospho-Ser ⁴⁶), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00484	\$69 \$311
p53 Antibody (Phospho-Ser ⁶), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A01168	\$69 \$311
p70 S6 Kinase Antibody (Ab-411), pAb, Rabbit	WB, IHC, IF	Human	100 µg	A00527	\$172
p70 S6 Kinase Antibody (Ab-421), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00550	\$50 \$225
p70 S6 Kinase Antibody (Ab-424), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00516	\$50 \$225
p70 S6 Kinase Antibody (Phospho-Ser ⁴¹¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00554	\$69 \$311
p70 S6 Kinase Antibody (Phospho-Ser ⁴²⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00561	\$69 \$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
p70 S6 Kinase Antibody (Phospho-Ser ⁴¹¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00539	\$69 \$311
PAK1 Antibody (Phospho-Thr ²¹²), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00650	\$69 \$311
PAK1/PAK2/PAK3 Antibody (Ab-423/402/421), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A01040	\$50 \$225
PKCβ Antibody (Ab-641), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00655	\$50 \$225
PKCβ Antibody (Phospho-Thr ⁶⁴¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00654	\$69 \$311
PKCδ Antibody (Ab-645), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00509	\$50 \$225
PKCδ Antibody (Phospho-Ser ⁶⁴⁵), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00576	\$69 \$311
PKCθ Antibody (Ab-676), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00508	\$50 \$225
PKCθ Antibody (Phospho-Ser ⁶⁷⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00579	\$69 \$311
PKD/PKCμ Antibody (Ab-738), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00606	\$50 \$225
PKD/PKCμ Antibody (Ab-910), pAb, Rabbit	WB	Human	40 µg 200 µg	A00605	\$50 \$225
PKD/PKCμ Antibody (Phospho-Ser ⁷³⁸), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00481	\$69 \$311
PKD/PKCμ Antibody (Phospho-Ser ⁹¹⁰), pAb, Rabbit	WB	Human	40 µg 200 µg	A01021	\$69 \$311
PTEN Antibody (Ab-370), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00303	\$50 \$225
PTEN Antibody (Ab-380, 382, 383), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00302	\$50 \$225
PTEN Antibody (Phospho-Ser ³⁷⁰), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00290	\$69 \$311
PTEN Antibody (Phospho-Ser ³⁸⁰), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A00218	\$69 \$311
PTEN Antibody (Phospho-Ser ³⁸⁰ , Thr ^{382,383}), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00277	\$69 \$311
Raf-1 Antibody (Ab-259), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00209	\$50 \$225
Raf1 Antibody (Ab-338), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A01153	\$50 \$225
Raf-1 Antibody (Phospho-Ser ²⁵⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00215	\$69 \$311
S6 Ribosomal Protein Antibody (Ab-235), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00465	\$50 \$225
S6 Ribosomal Protein Antibody (Phospho-Ser ²³⁵), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00315	\$69 \$311
Src Antibody (Ab-529), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00449	\$50 \$225
Src Antibody (Phospho-Tyr ⁵²⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00358	\$69 \$311
STAT1 Antibody (Ab-701), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00274	\$50 \$225
STAT1 Antibody (Ab-727), pAb, Rabbi	WB, IHC	Human	40 µg 200 µg	A00454	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
STAT1 Antibody (Phospho-Ser ⁷²⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00347	\$69 \$311
STAT1 Antibody (Phospho-Tyr ⁷⁰¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00249	\$69 \$311
Stat2 Antibody (Ab-690), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A01263	\$50 \$225
STAT3 Antibody (Ab-727), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00278	\$50 \$225
STAT3 Antibody (Phospho-Ser ⁷²⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00251	\$69 \$311
TYK2 Antibody (Phospho-Tyr ¹⁰⁵⁴), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A01184	\$69 \$311

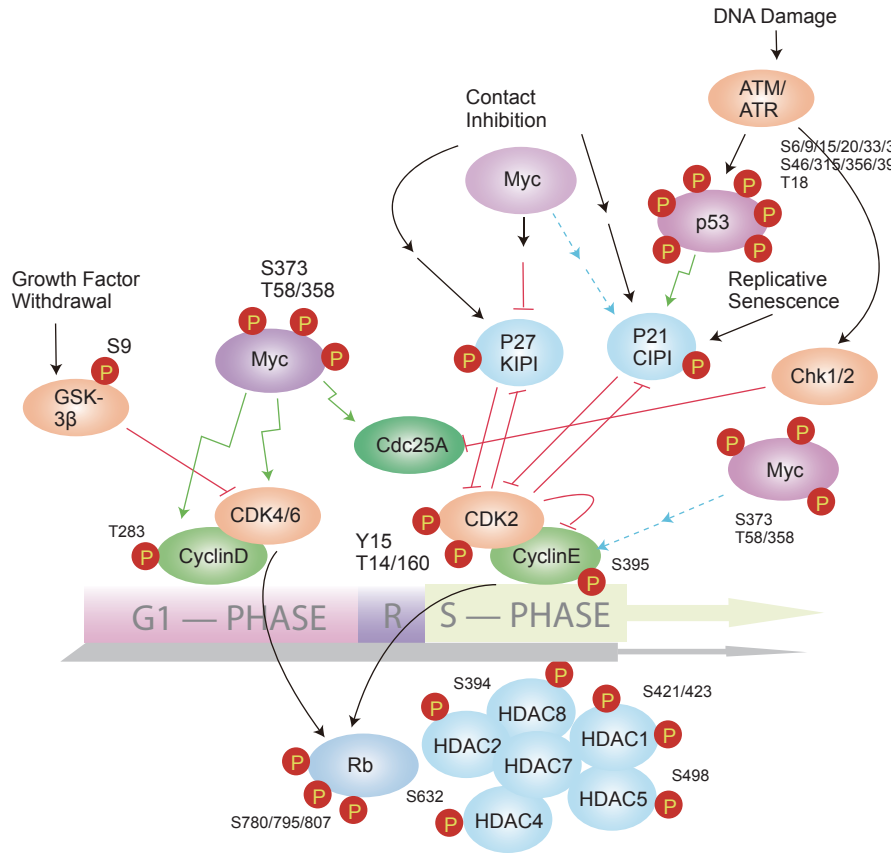
*: This product has not been tested with reactivity to other species.
NA: Not Available

Cell Cycle

The cell cycle, also known as cell-division cycle, is a series of events that occurs in a cell leading to its division and duplication (replication). The cell cycle occurs via a process termed as binary fission in prokaryotes cells that do not have nucleus. The cell cycle is a vital step by which a single-celled fertilized egg develops into a mature organism. It is also a process by which hair, skin, blood cells, and some internal organs are renewed.

Regulation of the cell cycle involves processes crucial to the survival of a cell, including the detection and repair of genetic damage as well as the prevention of uncontrolled cell division.

GenScript offers a wide selection of antibodies that can be used in your cell cycle research.



Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
14-3-3 ζ Antibody (Phospho-Ser ⁸⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00919	\$69
			200 µg		\$311
ABL1/2 Antibody (Ab-393/429), pAb, Rabbit	IHC, IF	Human	40 µg	A01262	\$50
			200 µg		\$225
ABL1/2 Antibody (Phospho-Tyr ^{393/429}), pAb, Rabbit	IHC, IF	Human	40 µg	A01272	\$69
			200 µg		\$311
ATM Antibody (Ab-1981), pAb, Rabbit	WB, IF	Human	40 µg	A01222	\$50
			200 µg		\$225
ATM Antibody (Phospho-Ser ¹⁹⁸¹), pAb, Rabbit	IHC	Human, mouse	40 µg	A00437	\$69
			200 µg		\$311
AuroraA Antibody (Phospho-Thr ²⁸⁸), pAb, Rabbit	IHC	Human	40 µg	A01292	\$69
			200 µg		\$311
BCL-2 Antibody (Ab-56), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00306	\$50
			200 µg		\$225
BCL-2 Antibody (Ab-70), pAb, Rabbit	WB, IHC	Human	40 µg	A00307	\$50
			200 µg		\$225
BCL-XL Antibody (Ab-62), pAb, Rabbit	WB	Human	40 µg	A00308	\$50
			200 µg		\$225
Bcr Antibody (Ab-177), pAb, Rabbit	WB, IF	Human	40 µg	A00589	\$50
			200 µg		\$225
Bcr Antibody (Phospho-Tyr ¹⁷⁷), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00496	\$69
			200 µg		\$311
BRCA1 Antibody (Ab-1423), pAb, Rabbit	WB, IHC	Human	40 µg	A00567	\$50
			200 µg		\$225
BRCA1 Antibody (Phospho-Ser ¹⁴²³), pAb, Rabbit	WB, IHC	Human	40 µg	A00523	\$69
			200 µg		\$311
BRCA1 Antibody (Phospho-Ser ¹⁵²⁴), pAb, Rabbit	IHC	Human	40 µg	A00490	\$69
			200 µg		\$311
c-Abl Antibody (Ab-412), pAb, Rabbit	IHC	Human	40 µg	A00442	\$50
			200 µg		\$225
c-Abl Antibody (Phospho-Tyr ⁴¹²), pAb, Rabbit	IHC, IF	Human, mouse	40 µg	A00384	\$69
			200 µg		\$311
CDC2 Antibody (Ab-15), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00565	\$50
			200 µg		\$225
CDC2 Antibody (Ab-161), pAb, Rabbit	WB, IF	Human	100 µg	A00599	\$172
cdc2 Antibody (Ab-19), pAb, Rabbit	IHC	Human	40 µg	A01295	\$50
			200 µg		\$225
CDC2 Antibody (Phospho-Thr ¹⁶¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00374	\$69
			200 µg		\$311
CDC2 Antibody (Phospho-Tyr ¹⁵), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00524	\$69
			200 µg		\$311
cdc25A Antibody (Ab-76), pAb, Rabbit	WB	Human	40 µg	A00446	\$50
			200 µg		\$225
cdc25A Antibody (Phospho-Ser ⁷⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00439	\$69
			200 µg		\$311
cdc25C Antibody (Ab-216), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00433	\$50
			200 µg		\$225
cdc25C Antibody (Phospho-Ser ²¹⁶), pAb, Rabbit	IHC, IF	Human	40 µg	A00420	\$69
			200 µg		\$311
CDK6 Antibody (Ab-13), pAb, Rabbit	IHC, IF	Human	40 µg	A01264	\$50
			200 µg		\$225
CDK6 Antibody (Ab-24), pAb, Rabbit	IHC	Human	40 µg	A01265	\$50
			200 µg		\$225
CDK6 Antibody (Phospho-Tyr ²⁴), pAb, Rabbit	IHC, IF	Human	40 µg	A01274	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Chk1 Antibody (Ab-317), pAb, Rabbit	WB, IHC	Human	40 µg	A00608	\$50
Chk1 Antibody (Phospho-Ser ²⁹⁶), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00727	\$69
			200 µg		\$311
Chk1 Antibody (Ser ²⁸⁰), pAb, Rabbit	ELISA, WB	Human*	40 µg	A01179	\$50
			200 µg		\$225
Chk2 Antibody (Ab-33), pAb, Rabbit	IHC	Human	40 µg	A01261	\$50
			200 µg		\$225
Chk2 Antibody (Ab-68), pAb, Rabbit	WB, IHC	Human	40 µg	A00388	\$50
Chk2 Antibody (Phospho-Ser ⁵¹⁶), pAb, Rabbit	WB	Human	40 µg	A00365	\$69
			200 µg		\$311
DNA PKcs Antibody (Ab-2609), pAb, Rabbit	WB	Human, mouse	40 µg	A00591	\$50
			200 µg		\$225
DNA PKcs Antibody (Phospho-Thr ²⁶⁰⁹), pAb, Rabbit	WB	Human	40 µg	A00494	\$69
			200 µg		\$311
GSK3β Antibody (Ab-9), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00196	\$50
			200 µg		\$225
GSK3β Antibody (Phospho-Ser ⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00193	\$69
			200 µg		\$311
GSK3β Antibody (Phospho-Tyr ²¹⁶), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01031	\$69
			200 µg		\$311
HDAC2 Antibody (Ab-394), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00428	\$50
			200 µg		\$225
HDAC2 Antibody (Phospho-Ser ³⁹⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A01169	\$69
			200 µg		\$311
HDAC2 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01178	\$50
			200 µg		\$225
HDAC4 Antibody (Ab-632), pAb, Rabbit	WB, IF	Human	40 µg	A00429	\$50
			200 µg		\$225
HDAC4 Antibody (Phospho-Ser ⁶³²), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00338	\$69
			200 µg		\$311
HDAC4/HDAC5/HDAC9 Antibody (Ab-246/259/220), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg	A01257	\$50
			200 µg		\$225
HDAC4/HDAC5/HDAC9 Antibody (Phospho-Ser ^{246/259/220}), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A01271	\$69
			200 µg		\$311
HDAC5 Antibody (Ab-498), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00430	\$50
			200 µg		\$225
HDAC5 Antibody (Phospho-Ser ⁴⁹⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00337	\$69
			200 µg		\$311
HDAC8 Antibody (Ab-39), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00431	\$50
			200 µg		\$225
HDAC8 Antibody (Phospho-Ser ³⁹), pAb, Rabbit	IHC, IF	Human	100 µg	A00382	\$240
HEC1 Antibody,pAb,Rabbit	WB	Human	40 µg	A01504	\$50
			200 µg		\$225
Ki-67 Antibody, pAb, Rabbit	IHC	Human	40 µg	A01495	\$50
			200 µg		\$225
mTOR Antibody (Ab-2448), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01154	\$50
			200 µg		\$225
Myc Antibody (Ab-358), pAb, Rabbit	WB, IHC	Human	40 µg	A00264	\$50
			200 µg		\$225
Myc Antibody (Ab-373), pAb, Rabbit	WB	Human, mouse	40 µg	A00265	\$50
			200 µg		\$225
Myc Antibody (Ab-58), pAb, Rabbit	WB, IHC	Human	40 µg	A00262	\$50
			200 µg		\$225
Myc Antibody (Phospho-Ser ³⁷³), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00244	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Myc Antibody (Phospho-Thr ³⁵⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00243	\$69 \$311
Myc Antibody (Phospho-Thr ⁵⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00242	\$69 \$311
p21Cip1 Antibody (Ab-145), pAb, Rabbit	WB	Human	40 µg 200 µg	A01150	\$50 \$225
p21Cip1 Antibody (Phospho-Thr ¹⁴⁵), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01160	\$69 \$311
p27Kip1 Antibody (Ab-10), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00436	\$50 \$225
p27Kip1 Antibody (Phospho-Thr ¹⁸⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00333	\$69 \$311
p53 Antibody (Ab-15), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00595	\$50
p53 Antibody (Ab-315), pAb, Rabbit	WB	Human	40 µg 200 µg	A00598	\$50 \$225
p53 Antibody (Ab-37), pAb, Rabbit	WB	Human	40 µg 200 µg	A01221	\$50 \$225
p53 Antibody (Ab-46), pAb, Rabbit	WB	Human	40 µg 200 µg	A00596	\$50 \$225
p53 Antibody (Ab-9), pAb, Rabbit	WB	Human	40 µg 200 µg	A01162	\$50 \$225
p53 Antibody (Phospho-Ser ³¹⁵), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00485	\$69 \$311
p53 Antibody (Phospho-Ser37), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A01213	\$69 \$311
p53 Antibody (Phospho-Ser ⁴⁶), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00484	\$69 \$311
p53 Antibody (Phospho-Ser ⁶), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A01168	\$69 \$311
p73 Antibody (Ab-99), pAb, Rabbit	WB	Human	40 µg 200 µg	A00348	\$50 \$225
p73 Antibody (Phospho-Tyr ⁹⁹), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00285	\$69 \$311
p95/NBS1 Antibody (Ab-343), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00305	\$50 \$225
p95/NBS1 Antibody (Phospho-Ser ³⁴³), pAb, Rabbit	WB	Human	40 µg 200 µg	A00283	\$69 \$311
Prohibitin Antibody, pAb, Rabbit	WB	NA	40 µg 200 µg	A00706	\$50 \$225
Rb Antibody (Ab-780), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00412	\$50 \$225
Rb Antibody (Ab-795), pAb, Rabbit	WB	Human	40 µg 200 µg	A00410	\$50 \$225
Rb Antibody (Ab-807), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00411	\$50 \$225
Rb Antibody (Phospho-Ser ⁷⁸⁰), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00377	\$69 \$311
Rb Antibody (Phospho-Ser ⁷⁹⁵), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00381	\$69 \$311
Rb Antibody (Phospho-Ser ⁸⁰⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00378	\$69 \$311
SMC1 Antibody (Ab-957), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00455	\$50 \$225
SMC1 Antibody (Phospho-Ser ⁹⁵⁷), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A00336	\$69 \$311

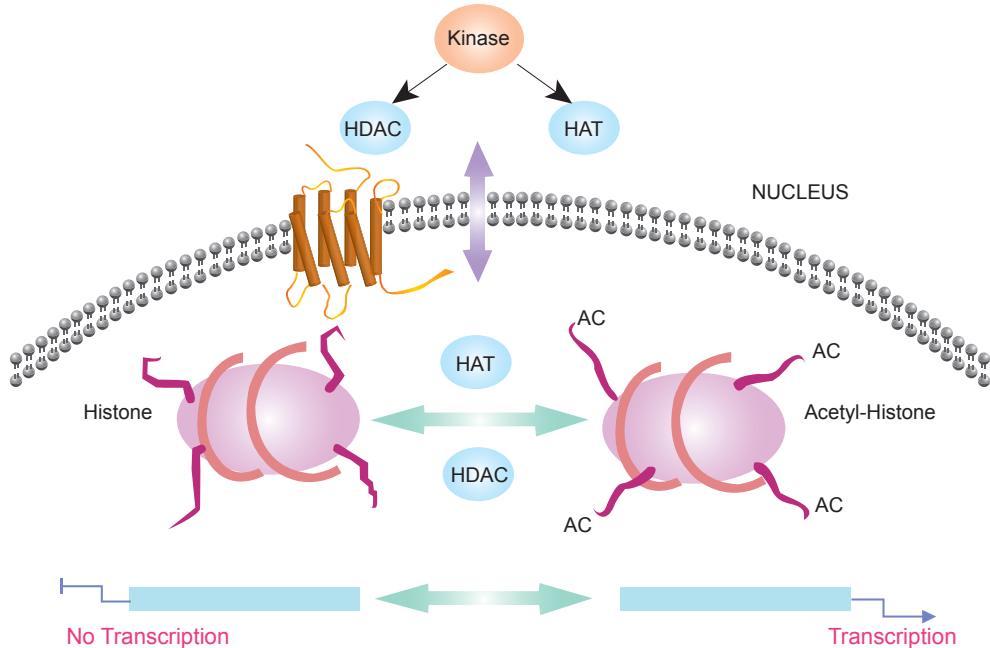
*: This product has not been tested with reactivity to other species.

NA: Not Available.

Chromatin/Transcription

Transcription is the synthesis of RNA based on the direction of DNA. It is the process of transcribing the information encoded in DNA nucleotide sequence into RNA sequence information. Both nucleic acid sequences use complementary language and

the information is simply copied from one molecule to the other. GenScript offers a wide selection of antibodies that can be used in your chromatin and transcription research.



Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
14-3-3 ζ Antibody (Ab-58), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A00662	\$50 \$225
4E-BP1 Antibody (Ab-36), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00460	\$50 \$225
4E-BP1 Antibody (Ab-45), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00461	\$50 \$225
4E-BP1 Antibody (Phospho-Thr ³⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00329	\$69 \$311
4E-BP1 Antibody (Phospho-Thr ⁴⁵), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00328	\$69 \$311
AFX Antibody (Ab-197), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00445	\$50 \$225
AFX Antibody (Phospho-Ser ¹⁹⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00372	\$69 \$311
ATF-2 Antibody (Ab-51/69), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00258	\$50 \$225
ATF-2 Antibody (Ab-55/73), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00260	\$50 \$225
ATF-2 Antibody (Ab-62/44), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00257	\$50 \$225
ATF-2 Antibody (Ab-71/53), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00259	\$50 \$225
ATF-2 Antibody (Ab-94/112), pAb, Rabbit	WB, IHC	Huma	40 µg 200 µg	A00261	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
ATF-2 Antibody (Phospho-Ser ^{112/94}), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00476	\$69
			200 µg		\$311
ATF-2 Antibody (Phospho-Ser ^{62/44}), pAb, Rabbit	IHC	Human, mouse, rat	100 µg	A00473	\$240
ATF-2 Antibody (Phospho-Thr ^{69/51}), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00474	\$69
			200 µg		\$311
ATF-2 Antibody (Phospho-Thr ^{71/53}), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00241	\$69
			200 µg		\$311
ATF-2 Antibody (Phospho-Thr ^{73/55}), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00475	\$69
			200 µg		\$311
ATF-4 Antibody (Ab-245), pAb, Rabbit	IHC	Human	40 µg	A00300	\$50
			200 µg		\$225
ATF-4 Antibody (Phospho-Ser ²⁴⁵), pAb, Rabbit	IHC	Human	40 µg	A00269	\$69
			200 µg		\$311
BRCA1 Antibody (Ab-1423), pAb, Rabbit	WB, IHC	Human	40 µg	A00567	\$50
			200 µg		\$225
BRCA1 Antibody (Phospho-Ser ¹⁴²³), pAb, Rabbit	WB, IHC	Human	40 µg	A00523	\$69
			200 µg		\$311
BRCA1 Antibody (Phospho-Ser ¹⁵²⁴), pAb, Rabbit	IHC	Human	40 µg	A00490	\$69
			200 µg		\$311
CARM1 Antibody (Ab-228), pAb, Rabbit	WB, IF	Human	40 µg	A00932	\$50
			200 µg		\$225
CARM1 Antibody (Phospho-Ser ²²⁸), pAb, Rabbit	WB, IF	Human	40 µg	A00924	\$69
			200 µg		\$311
c-Jun Antibody (Ab-170), pAb, Rabbit	WB, IHC	Human	40 µg	A00587	\$50
			200 µg		\$225
c-Jun Antibody (Ab-239), pAb, Rabbit	WB, IHC	Human	40 µg	A00235	\$50
			200 µg		\$225
c-Jun Antibody (Ab-243), pAb, Rabbit	WB, IHC	Human	40 µg	A00238	\$50
			200 µg		\$225
c-Jun Antibody (Ab-63), pAb, Rabbit	WB	Human, mouse	40 µg	A00580	\$50
			200 µg		\$225
c-Jun Antibody (Ab-73), pAb, Rabbit	WB, IHC	Human	40 µg	A00197	\$50
			200 µg		\$225
c-Jun Antibody (Ab-91), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00231	\$50
			200 µg		\$225
c-Jun Antibody (Ab-93), pAb, Rabbit	WB, IHC	Human	40 µg	A00233	\$50
			200 µg		\$225
c-Jun Antibody (Phospho-Ser ²⁴³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00237	\$69
			200 µg		\$311
c-Jun Antibody (Phospho-Ser ⁶³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00466	\$69
			200 µg		\$311
c-Jun Antibody (Phospho-Ser ⁷³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00194	\$69
			200 µg		\$311
c-Jun Antibody (Phospho-Thr ²³⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00236	\$69
			200 µg		\$311
c-Jun Antibody (Phospho-Thr ⁹¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00232	\$69
			200 µg		\$311
c-Jun Antibody (Phospho-Thr ⁸³), pAb, Rabbit	WB, IHC	NA	40 µg	A00234	\$69
			200 µg		\$311
c-Jun Antibody (Phospho-Tyr ¹⁷⁰), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00471	\$69
			200 µg		\$311
CREB Antibody (Ab-129), pAb, Rabbit	WB, IHC	Human	40 µg	A00519	\$50
			200 µg		\$225
CREB Antibody (Ab-133), pAb, Rabbit	WB, IHC	Human	40 µg	A00286	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
CREB Antibody (Phospho-Ser ¹²⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00556	\$69
			200 µg		\$311
CREB Antibody (Phospho-Ser ¹³³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00267	\$69
			200 µg		\$311
eIF2α Antibody (Ab-51), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00518	\$50
			200 µg		\$225
eIF2α Antibody (Phospho-Ser ⁵¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00559	\$69
			200 µg		\$311
eIF4E Antibody (Ab-209), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00574	\$50
			200 µg		\$225
eIF4E Antibody (Phospho-Ser ²⁰⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00504	\$69
			200 µg		\$311
Elk-1 Antibody (Ab-383), pAb, Rabbit	WB, IHC	Human	40 µg	A00198	\$50
			200 µg		\$225
Elk-1 Antibody (Ab-389), pAb, Rabbit	IHC, IF	Human	40 µg	A00266	\$50
			200 µg		\$225
Elk-1 Antibody (Ab-417), pAb, Rabbit	IHC	Human	40 µg	A00592	\$50
			200 µg		\$225
Elk-1 Antibody (Phospho-Ser ³⁸³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00195	\$69
			200 µg		\$311
Elk-1 Antibody (Phospho-Ser ³⁸⁹), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00245	\$69
			200 µg		\$311
Elk-1 Antibody (Phospho-Thr ⁴¹⁷), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00246	\$69
			200 µg		\$311
FKHR Antibody (Ab-256), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00427	\$50
			200 µg		\$225
FKHR Antibody (Ab-319), pAb, Rabbit	WB, IHC	Human	40 µg	A00444	\$50
			200 µg		\$225
FKHR Antibody (Phospho-Ser ²⁵⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00395	\$69
			200 µg		\$311
FKHR Antibody (Phospho-Ser ³¹⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00373	\$69
			200 µg		\$311
FKHRL1 Antibody (Phospho-Ser ²⁵³), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00354	\$69
			200 µg		\$311
G3BP-1 Antibody (Phospho-Ser ²³²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00364	\$69
			200 µg		\$311
GATA1 Antibody (Ab-142), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00270	\$50
			200 µg		\$225
GATA1 Antibody (Ab-310), pAb, Rabbit	WB	Human	40 µg	A00273	\$50
			200 µg		\$225
GATA1 Antibody (Phospho-Ser ¹⁴²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00247	\$69
			200 µg		\$311
GATA1 Antibody (Phospho-Ser ³¹⁰), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00248	\$69
			200 µg		\$311
HDAC2 Antibody (Ab-394), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00428	\$50
			200 µg		\$225
HDAC2 Antibody (Phospho-Ser ³⁹⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A01169	\$69
			200 µg		\$311
HDAC2 Antibody, pAb, Rabbit	ELISA,WB	Human*	40 µg	A01178	\$50
			200 µg		\$225
HDAC4 Antibody (Ab-632), pAb, Rabbit	WB, IF	Human	40 µg	A00429	\$50
			200 µg		\$225
HDAC4 Antibody (Phospho-Ser ⁶³²), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00338	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
HDAC4/HDAC5/HDAC9 Antibody (Ab-246/259/220), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg	A01257	\$50
			200 µg		\$225
HDAC4/HDAC5/HDAC9 Antibody (Phospho-Ser ^{246/259/220}), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A01271	\$69
			200 µg		\$311
HDAC5 Antibody (Ab-498), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00430	\$50
			200 µg		\$225
HDAC5 Antibody (Phospho-Ser ⁴⁹⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00337	\$69
			200 µg		\$311
HDAC8 Antibody (Ab-39), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00431	\$50
			200 µg		\$225
HDAC8 Antibody (Phospho-Ser ³⁹), pAb, Rabbit	IHC, IF	Human	100 µg	A00382	\$240
Histone H2A.X Antibody (Ab-139), pAb, Rabbit	WB, IHC	Human	40 µg	A00529	\$50
			200 µg		\$225
Histone H2A.X Antibody (Phospho-Ser ¹³⁹), pAb, Rabbit	WB, IF	Human	40 µg	A00552	\$69
			200 µg		\$311
Histone H3 Antibody,pAb,Rabbit	WB	Human, mouse, rat	40 µg	A01502	\$50
			200 µg		\$225
Histone H3.1 Antibody (Ab-10), pAb, Rabbit	WB, IF	Human	40 µg	A00426	\$50
			200 µg		\$225
Histone H3.1 Antibody (Phospho-Ser ¹⁰), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00339	\$69
			200 µg		\$311
hnRNP C1/C2 Antibody, pAb, Rabbit	WB	Human	40 µg	A01484	\$50
			200 µg		\$225
HSF1 Antibody (Ab-303), pAb, Rabbit	WB, IHC	Human	40 µg	A00610	\$50
			200 µg		\$225
HSF1 Antibody (Ab-307), pAb, Rabbit	WB, IHC	Human	40 µg	A00671	\$50
			200 µg		\$225
HSF1 Antibody (Phospho-Ser ³⁰³), pAb, Rabbit	WB, IHC	Human	40 µg	A00546	\$69
			200 µg		\$311
HSF1 Antibody (Phospho-Ser ³⁰⁷), pAb, Rabbit	WB, IF	Human	40 µg	A01164	\$69
			200 µg		\$311
JunB Antibody (Ab-259), pAb, Rabbit	WB, IHC	Human	40 µg	A00256	\$50
			200 µg		\$225
JunB Antibody (Phospho-Ser ²⁵⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00240	\$69
			200 µg		\$311
JunB Antibody (Phospho-Ser ⁷⁹), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00239	\$69
			200 µg		\$311
JunD Antibody (Ab-255), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00590	\$50
			200 µg		\$225
JunD Antibody (Phospho-Ser ²⁵⁵), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00472	\$69
			200 µg		\$311
MEF2A Antibody (Ab-312), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00642	\$50
			200 µg		\$225
MEF2A Antibody (Ab-319), pAb, Rabbit	IHC	Human	40 µg	A00268	\$50
			200 µg		\$225
MEF2A Antibody (Phospho-Thr ³¹²), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00477	\$69
			200 µg		\$311
Myc Antibody (Ab-358), pAb, Rabbit	WB, IHC	Human	40 µg	A00264	\$50
			200 µg		\$225
Myc Antibody (Ab-373), pAb, Rabbit	WB	Human, mouse	40 µg	A00265	\$50
			200 µg		\$225
Myc Antibody (Ab-58), pAb, Rabbit	WB, IHC	Human	40 µg	A00262	\$50
			200 µg		\$225
Myc Antibody (Phospho-Ser ³⁷³), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00244	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Myc Antibody (Phospho-Thr ³⁵⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00243	\$69
			200 µg		\$311
Myc Antibody (Phospho-Thr ⁵⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00242	\$69
			200 µg		\$311
MyoD Antibody (Ab-200), pAb, Rabbit	WB	Human	40 µg	A00607	\$50
			200 µg		\$225
MyoD Antibody (Phospho-Ser ²⁰⁰), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00480	\$69
			200 µg		\$311
NF-κB p100/p52 Antibody (Ab-866), pAb, Rabbit	WB, IHC	Human	40 µg	A00583	\$50
			200 µg		\$225
NF-κB p100/p52 Antibody (Ab-870), pAb, Rabbit	WB, IHC	Human	40 µg	A00225	\$50
			200 µg		\$225
NF-κB p100/p52 Antibody (Phospho-Ser ⁸⁶⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00469	\$69
			200 µg		\$311
NF-κB p100/p52 Antibody (Phospho-Ser ⁸⁷⁰), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00226	\$69
			200 µg		\$311
NF-κB p105/p50 Antibody (Ab-337), pAb, Rabbit	IHC	Human	40 µg	A00585	\$50
			200 µg		\$225
NF-κB p105/p50 Antibody (Ab-893), pAb, Rabbit	WB, IHC	Human	40 µg	A00227	\$50
			200 µg		\$225
NF-κB p105/p50 Antibody (Ab-907), pAb, Rabbit	WB, IHC	Human	40 µg	A00228	\$50
			200 µg		\$225
NF-κB p105/p50 Antibody (Ab-932), pAb, Rabbit	WB, IHC	Human	40 µg	A00555	\$50
			200 µg		\$225
NF-κB p105/p50 Antibody (Phospho-Ser ³³⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00470	\$69
			200 µg		\$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁸⁹³), pAb, Rabbit	IHC, IF	Human	40 µg	A00229	\$69
			200 µg		\$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁹⁰⁷), pAb, Rabbit	WB, IHC	Human	40 µg	A00230	\$69
			200 µg		\$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁹³²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00534	\$69
			200 µg		\$311
NF-κB p65 Antibody (Ab-254), pAb, Rabbit	IHC	Human	40 µg	A00581	\$50
			200 µg		\$225
NF-κB p65 Antibody (Ab-276), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00212	\$50
			200 µg		\$225
NF-κB p65 Antibody (Ab-311), pAb, Rabbit	WB, IHC	Human	40 µg	A00542	\$50
			200 µg		\$225
NF-κB p65 Antibody (Ab-435), pAb, Rabbit	WB, IHC	Human	40 µg	A00213	\$50
			200 µg		\$225
NF-κB p65 Antibody (Ab-468), pAb, Rabbit	WB, IHC	Human	40 µg	A00219	\$50
			200 µg		\$225
NF-κB p65 Antibody (Ab-505), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A01163	\$50
			200 µg		\$225
NF-κB p65 Antibody (Ab-529), pAb, Rabbit	WB, IHC	Human	40 µg	A00459	\$50
			200 µg		\$225
NF-κB p65 Antibody (Ab-536), pAb, Rabbit	WB, IHC	Human	40 µg	A00222	\$50
			200 µg		\$225
NF-κB p65 Antibody (Phospho-Ser ²⁷⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00220	\$69
			200 µg		\$311
NF-κB p65 Antibody (Phospho-Ser ³¹¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00543	\$69
			200 µg		\$311
NF-κB p65 Antibody (Phospho-Ser ⁴⁶⁸), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00223	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
NF-κB p65 Antibody (Phospho-Ser ⁵²⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00330	\$69
			200 µg		\$311
NF-κB p65 Antibody (phospho-Ser ⁵³⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00224	\$69
			200 µg		\$311
NF-κB p65 Antibody (Phospho-Thr ²⁶⁴), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00468	\$69
			200 µg		\$311
NF-κB p65 Antibody (Phospho-Thr ⁴³⁵), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00221	\$69
			200 µg		\$311
NF-κB p65 Antibody (Phospho-Thr ⁵⁰⁵), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A01159	\$69
			200 µg		\$311
OLIG2 Antibody, pAb, Rabbit	WB	Human, mouse, rat*	40 µg	A01474	\$50
			200 µg		\$225
p38 MAPK Antibody (Ab-182), pAb, Rabbit	WB	Human, mouse	40 µg	A00553	\$50
			200 µg		\$225
p38 MAPK Antibody (Phospho-Thr ¹⁸⁰), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00535	\$69
			200 µg		\$311
p38 MAPK Antibody (Phospho-Tyr ¹⁸²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00537	\$69
			200 µg		\$311
p44/42 MAP Kinase Antibody (Ab-202), pAb, Rabbit	WB	Human	40 µg	A00564	\$50
			200 µg		\$225
p44/42 MAP Kinase Antibody (Ab-204), pAb, Rabbit	WB	Human, mouse	100 µg	A00562	\$172
			40 µg		\$69
p44/42 MAP Kinase Antibody (Phospho-Thr ²⁰²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00525	\$69
			200 µg		\$311
p44/42 MAP Kinase Antibody (Phospho-Tyr ²⁰⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00526	\$69
			200 µg		\$311
53 Antibody (Ab-15), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00595	\$50
			200 µg		\$225
p53 Antibody (Ab-315), pAb, Rabbit	WB	Human	40 µg	A00598	\$50
			200 µg		\$225
p53 Antibody (Ab-37), pAb, Rabbit	WB	Human	40 µg	A01221	\$50
			200 µg		\$225
p53 Antibody (Ab-46), pAb, Rabbit	WB	Human	40 µg	A00596	\$50
			200 µg		\$225
p53 Antibody (Ab-9), pAb, Rabbit	WB	Human	40 µg	A01162	\$50
			200 µg		\$225
p53 Antibody (Phospho-Ser ³¹⁵), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00485	\$69
			200 µg		\$311
p53 Antibody (Phospho-Ser ⁴⁶), pAb, Rabbit	WB, IF	Human	40 µg	A00484	\$69
			200 µg		\$311
p53 Antibody (Phospho-Ser ⁶), pAb, Rabbit	WB	Human, mouse	40 µg	A01168	\$69
			200 µg		\$311
p70 S6 Kinase Antibody (Ab-411), pAb, Rabbit	WB, IHC, IF	Human	100 µg	A00527	\$172
			40 µg		\$50
p70 S6 Kinase Antibody (Ab-421), pAb, Rabbit	WB, IHC	Human	40 µg	A00550	\$50
			200 µg		\$225
p70 S6 Kinase Antibody (Ab-424), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00516	\$50
			200 µg		\$225
p70 S6 Kinase Antibody (Phospho-Ser ⁴¹¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00554	\$69
			200 µg		\$311
p70 S6 Kinase Antibody (Phospho-Ser ⁴²⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00561	\$69
			200 µg		\$311
p70 S6 Kinase Antibody (Phospho-Thr ⁴²¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00539	\$69
			200 µg		\$311
RelB Antibody (Ab-573), pAb, Rabbit	WB	Human	40 µg	A00547	\$50
			200 µg		\$225
RelB Antibody (Phospho-Ser ⁵⁷³), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00540	\$69
			200 µg		\$311

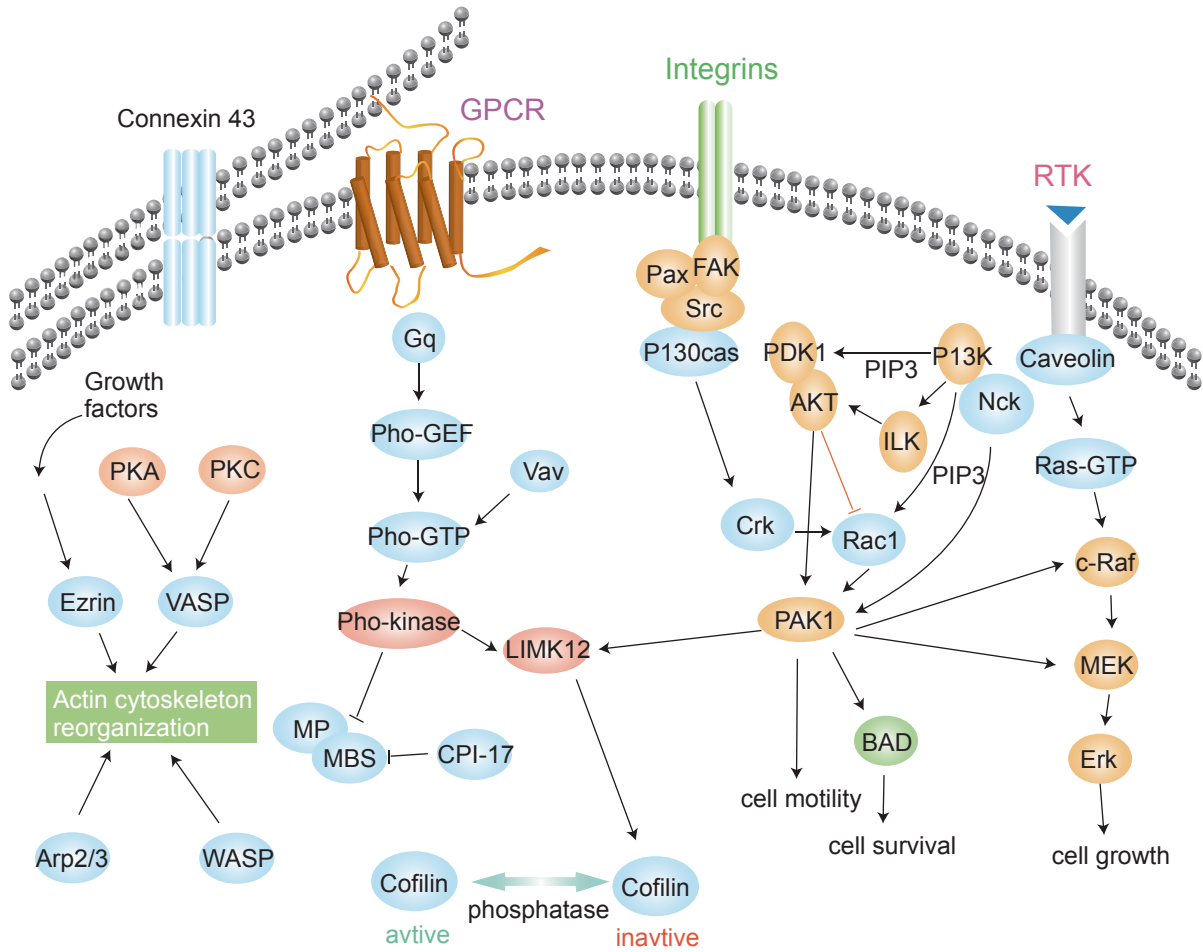
Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
S6 Ribosomal Protein Antibody (Ab-235), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00465	\$50
			200 µg		\$225
S6 Ribosomal Protein Antibody (Phospho-Ser ²³⁵), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00315	\$69
			200 µg		\$311
STAT1 Antibody (Ab-701), pAb, Rabbit	WB, IHC	Human	40 µg	A00274	\$50
			200 µg		\$225
STAT1 Antibody (Ab-727), pAb, Rabbit	WB, IHC	Human	40 µg	A00454	\$50
			200 µg		\$225
STAT1 Antibody (Phospho-Ser ⁷²⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00347	\$69
			200 µg		\$311
STAT1 Antibody (Phospho-Tyr ⁷⁰¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00249	\$69
			200 µg		\$311
STAT3 Antibody (Ab-727), pAb, Rabbit	WB, IHC	Human	40 µg	A00278	\$50
			200 µg		\$225
STAT3 Antibody (Phospho-Ser ⁷²⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00251	\$69
			200 µg		\$311
STAT4 Antibody (Ab-693), pAb, Rabbit	WB, IHC	Human	40 µg	A00279	\$50
			200 µg		\$225
STAT4 Antibody (Phospho-Tyr ⁶⁹³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00252	\$69
			200 µg		\$311
STAT5A Antibody (Ab-694), pAb, Rabbit	WB, IHC	Human	40 µg	A00280	\$50
			200 µg		\$225
STAT5A Antibody (Ab-780), pAb, Rabbit	WB, IHC	Human	40 µg	A00281	\$50
			200 µg		\$225
STAT5A Antibody (Phospho-Ser ⁷⁸⁰), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00254	\$69
			200 µg		\$311
STAT5A Antibody (Phospho-Tyr ⁶⁹⁴), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00253	\$69
			200 µg		\$311
STAT6 Antibody (Ab-641), pAb, Rabbit	WB, IHC	Human	40 µg	A00282	\$50
			200 µg		\$225
STAT6 Antibody (Ab-645), pAb, Rabbit	WB, IHC	Human	40 µg	A00284	\$50
			200 µg		\$225
STAT6 Antibody (Phospho-Thr ⁶⁴⁵), pAb, Rabbit	IHC	Human	40 µg	A00478	\$69
			200 µg		\$311
STAT6 Antibody (Phospho-Tyr ⁶⁴¹), pAb, Rabbit	WB, IHC	Human	40 µg	A00263	\$69
			200 µg		\$311

*: This product has not been tested with reactivity to other species.
NA: Not Available.

Cytoskeletal

The cytoskeleton (also known as CSK) is cellular "scaffold" or "skeleton" contained within the cytoplasm. Being present in all cells, the cytoskeleton was once thought to be a structure to eukaryotes. However, recent research has discovered prokaryotic cytoskeleton. CSK is a dynamic structure that

maintains cell shape, protects the cell, enables cellular motion, and plays important roles in both intracellular transport and cellular division. GenScript offers a wide selection of antibodies that can be used in your cytoskeleton research.



Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
ADD1 Antibody (Ab-726), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00925	\$50 \$225
ADD1 Antibody (Phospho-Ser ⁷²⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00920	\$69 \$311
Akt Antibody (Ab-308), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00304	\$50 \$225
Akt Antibody (Ab-473), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00301	\$50 \$225
Akt Antibody (Phospho-Ser ⁴⁷³), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00272	\$69 \$311
Akt Antibody (Phospho-Ser ⁴⁷³), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg 200 µg	A00965	\$69 \$311
Akt Antibody (Phospho-Thr ³⁰⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00275	\$69 \$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
AKT1 Antibody (Ab-450), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A01293	\$50 \$225
AKT1 Antibody (Phospho-Thr ⁴⁵⁰), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01291	\$69 \$311
AKT1/AKT2 Antibody (Ab-308/309), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01252	\$50 \$225
AKT1/AKT2/AKT3 Antibody (Ab-315/316/312), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A01227	\$50 \$225
AKT1/AKT2/AKT3 Antibody (Phospho-Tyr ^{315/316/312}), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01217	\$69 \$311
Akt2 Antibody (Ab-474), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00441	\$50 \$225
Akt2 Antibody (Phospho-Ser ⁴⁷⁴), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00385	\$69 \$311
BAD Antibody (Ab-112), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00309	\$50 \$225
BAD Antibody (Ab-136), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00310	\$50 \$225
BAD Antibody (Ab-155), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00311	\$50 \$225
BAD Antibody (Phospho-Ser ¹¹²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00295	\$69 \$311
BIM Antibody (Ab-69), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A00514	\$50 \$225
BIM Antibody (Phospho-Ser ⁶⁹), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A00566	\$69 \$311
CaMKII Antibody (Ab-286), pAb, Rabbit	WB, IF	Human, mouse	40 µg 200 µg	A00515	\$50 \$225
Caveolin-1 Antibody (Ab-14), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A00413	\$50 \$225
Caveolin-1 Antibody (Phospho-Tyr ¹⁴), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00394	\$69 \$311
CDC2 Antibody (Ab-15), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00565	\$50 \$225
CDC2 Antibody (Ab-161), pAb, Rabbit	WB, IF	Human	100 µg	A00599	\$172
CDC2 Antibody (Ab-19), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01295	\$50 \$225
CDC2 Antibody (Phospho-Thr ¹⁶¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00374	\$69 \$311
CDC2 Antibody (Phospho-Tyr ¹⁵), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00524	\$69 \$311
Cofilin Antibody (Ab-3), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00447	\$50 \$225
Cofilin Antibody (Phospho-Ser ³), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00369	\$69 \$311
Cofilin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse*	40 µg 200 µg	A01239	\$50 \$225
Cofilin Antibody, pAb, Rabbit	ELISA, WB	Human, mouse*	40 µg 200 µg	A01277	\$50 \$225
Cofilin1/Cofilin2 Antibody (Ab-88), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A01254	\$50 \$225
Connexin 30 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00892	\$50 \$225
Connexin 43 Antibody (Ab-367), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00544	\$50 \$225

Product Name	Applications	Species Reactivity	Quantity	Cat. No.	Price
Connexin 43 Antibody (Phospho-Ser ³⁶⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00541	\$69 \$311
Cortactin Antibody (Ab-421), pAb, Rabbit	IHC	Human, mouse	40 µg 200 µg	A00521	\$50 \$225
Cortactin Antibody (Ab-466), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A00520	\$50 \$225
Cortactin Antibody (Phospho-Tyr ⁴⁶⁶), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A00644	\$69 \$311
Doublecortin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse, rat *	40 µg 200 µg	A01303	\$50 \$225
Ephrin-B2 Antibody (Ab-316), pAb, Rabbit	WB	Human	40 µg 200 µg	A00669	\$50 \$225
Ephrin-B2 Antibody (Ab-330), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00670	\$50 \$225
Ezrin Antibody (Ab-353), pAb, Rabbit	WB	Human	40 µg 200 µg	A00392	\$50 \$225
Ezrin Antibody (Ab-567), pAb, Rabbit	WB	Human	40 µg 200 µg	A00457	\$50 \$225
Ezrin Antibody (Phospho-Thr ⁵⁶⁷), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00334	\$69 \$311
Ezrin Antibody (Phospho-Tyr ³⁵³), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00291	\$69
FAK Antibody (Ab-861), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00350	\$50 \$225
FAK Antibody (Ab-925), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00434	\$50 \$225
FAK Antibody (Phospho-Tyr ⁸⁶¹), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00287	\$69 \$311
FAK Antibody (Phospho-Tyr ⁹²⁵), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00387	\$69 \$311
Fibrillarlin Antibody, mAb, Mouse	WB, IF	Human, rat, plant, <i>drosophila</i> , <i>C. elegans</i> , <i>S. pombe</i>	100 µg	A00153	\$204
G3BP-1 Antibody (Ab-232), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00404	\$50 \$225
G3BP-1 Antibody (Phospho-Ser ²³²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00364	\$69 \$311
GFAP Antibody, mAb, Mouse	WB, IF	Human, cow, pig, mouse, rat, all other mammalian, avian species tested	100 µg	A00085	\$259
ICAM-1 Antibody (Ab-512), pAb, Rabbit	WB	Human	40 µg 200 µg	A01038	\$50 \$225
ICAM-1 Antibody (Phospho-Tyr ⁵¹²), pAb, Rabbit	WB	Human	40 µg 200 µg	A01020	\$69 \$311
Integrin β3 Antibody (Ab-773), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00386	\$50 \$225
Integrin β3 Antibody (Ab-785), pAb, Rabbit	WB	Human	40 µg 200 µg	A01167	\$50 \$225
Integrin β3 Antibody (Phospho-Tyr ⁷⁷³), pAb, Rabbit	WB, IHC	Human,mouse	40 µg 200 µg	A00288	\$69 \$311
Integrin β3 Antibody (phospho-Tyr ⁷⁸⁵), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A00663	\$69 \$311
Internexin/NF66 1 Antibody, mAb, Mouse	WB, IF, ICC	Human, rat, mouse, cat, other mammals	100 µg	A00147	\$204
Internexin/NF66 2 Antibody, mAb, Mouse	WB, IHC, IF	Human, rat, mouse, cat, other mammals	100 µg	A00148	\$204
Internexin/NF66 Antibody, pAb, Chicken	WB, IF	Human, rat, mouse, cat, other mammals	100 µg	A00150	\$204

Product Name	Applications	Species Reactivity	Quantity	Cat. No.	Price
Internexin/NF66 Antibody, pAb, Rabbit	WB, IF	Human, rat, mouse, cat, other mammals	100 µg	A00149	\$204
Keratin 18 Antibody (Phospho-Ser ³³), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A01033	\$69 \$311
MAP2 Antibody, pAb, Chicken	WB, IF	Human, rat, mouse, bovine	100 µg	A00156	\$204
MARCKS Antibody (Ab-158), pAb, Rabbit	WB, IF	Human, mouse	40 µg 200 µg	A00511	\$50 \$225
MARCKS Antibody (Ab-162), pAb, Rabbit	WB	Human	100 µg	A00536	\$172
MARCKS Antibody (Phospho-Ser ¹⁵⁸), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00570	\$69 \$311
MARCKS Antibody, pAb, Rabbit	WB, IF, ICC	NA	100 µg	A00155	\$204
MEK1 Antibody (Ab-217), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A01041	\$50 \$225
MEK1 Antibody (Ab-221), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00452	\$50 \$225
MEK1 Antibody (Ab-291), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00510	\$50 \$225
MEK1 Antibody (Phospho-Ser ²¹⁷), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00497	\$69 \$311
MEK1 Antibody (Phospho-Ser ²²¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00351	\$69 \$311
MEK1 Antibody (Phospho-Thr ²⁹¹), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00571	\$69 \$311
MEK2 Antibody (Ab-394), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00211	\$50 \$225
MEK2 Antibody (Phospho-Thr ³⁹⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00217	\$69 \$311
Merlin Antibody (Ab-518), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00533	\$50 \$225
Merlin Antibody (Phospho-Ser ⁵¹⁸), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00549	\$69 \$311
Muscleblind Antibody, mAb, Mouse	WB, IF, ICC	Human, mouse, rat	100 µg	A00154	\$204
Myosin Light Chain 2 Antibody (Ab-18), pAb, Rabbit	WB, IF	Human	100 µg	A00597	\$172
Myosin Light Chain 2 Antibody (Phospho-Ser ¹⁸), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A01180	\$69 \$311
NF-H Antibody, mAb, Mouse	WB, IF	A variety of species	100 µg	A00137	\$204
NF-H Antibody, pAb, Chicken	ELISA, WB, IF	Human, rat, mouse, cat, chicken	100 µg	A00136	\$204
NF-H Antibody, pAb, Rabbit	ELISA, WB, IF	A variety of species	100 µg	A00135	\$204
NF-L Antibody, mAb, Mouse	WB, IF	Human, rat, mouse, cat, chicken	100 µg	A00139	\$204
NF-L Antibody, pAb, Chicken	WB, IF	Human, rat, mouse, cat, chicken	100 µg	A00140	\$204
NF-L Antibody, pAb, Rabbit	WB, IF, ICC	Human, rat, mouse, cat, chicken	100 µg	A00138	\$204
NF-M Antibody, mAb, Mouse	IF, Immunoblotting	Human, rat, mouse, cat, chicken	100 µg	A00145	\$204
NF-M Antibody, pAb, Chicken	WB, IF	Human, rat, mouse, cat, chicken	100 µg	A00146	\$204
NF-M Antibody, pAb, Rabbit	WB, IF, ICC	Human, rat, mouse, cat, chicken	100 µg	A00144	\$204
p44/42 MAP Kinase Antibody (Ab-202), pAb, Rabbit	WB	Human	40 µg 200 µg	A00564	\$50 \$225
p44/42 MAP Kinase Antibody (Ab-204), pAb, Rabbit	WB	Human, mouse	100 µg	A00562	\$172

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
p44/42 MAP Kinase Antibody (Phospho-Thr ²⁰²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00525	\$69 \$311
p44/42 MAP Kinase Antibody (Phospho-Tyr ²⁰⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00526	\$69 \$311
PAK1 Antibody (Ab-212), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00651	\$50 \$225
PAK1 Antibody (Phospho-Thr ²¹²), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00650	\$69 \$311
PAK1/PAK2/PAK3 Antibody (Ab-423/402/421), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A01040	\$50 \$225
Paxillin Antibody (Ab-118), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00409	\$50 \$225
Paxillin Antibody (Ab-31), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00456	\$50 \$225
Paxillin Antibody (Phospho-Tyr ¹¹⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00379	\$69 \$311
Paxillin Antibody (Phospho-Tyr ³¹), pAb, Rabbit	WB	Human	40 µg 200 µg	A00335	\$69 \$311
PDK1 Antibody (Ab-241), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00208	\$50 \$225
PDK1 Antibody (Phospho-Ser ²⁴¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00207	\$69 \$311
Peptidylprolyl Isomerase Antibody, pAb, Chicken	WB, IF, ICC	NA	100 µg	A00151	\$204
Peripherin 1 Antibody, mAb, Mouse	WB, ICC	Human, rat, cat, mouse	100 µg	A00142	\$204
Peripherin 2 Antibody, mAb, Mouse	WB, IF	Human, rat, rabbit, cat, mouse	100 µg	A00143	\$204
Peripherin Antibody, pAb, Rabbit	WB, ICC	Human, rat, rabbit, cat, mouse	100 µg	A00141	\$204
PKCα Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg 200 µg	A00901	\$50 \$225
PKCα/β2 Antibody (Phospho-Thr ^{638/641}), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg 200 µg	A00913	\$69 \$311
PKCβ Antibody (Ab-641), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00655	\$50 \$225
PKCβ Antibody (Phospho-Thr ⁶⁴¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00654	\$69 \$311
PKCβ2 Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00903	\$50 \$225
PKCγ Antibody, pAb, Rabbit	WB	NA	40 µg 200 µg	A00904	\$50 \$225
PKCδ Antibody (Ab-645), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00509	\$50 \$225
PKCδ Antibody (Phospho-Ser ⁶⁴⁵), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00576	\$69 \$311
PKCδ Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00905	\$50 \$225
PKCζ Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00908	\$50 \$225
PKCη Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00906	\$50 \$225
PKCθ Antibody (Ab-676), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00508	\$50 \$225
PKCθ Antibody (Ab-695), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00656	\$50 \$225
PKCθ Antibody (Phospho-Ser ⁶⁷⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00579	\$69 \$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
PKCθ Antibody (Phospho-Ser ⁶⁹⁵), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00657	\$69 \$311
PKCι/λ Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg 200 µg	A00910	\$50 \$225
PKCμ Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg 200 µg	A00909	\$50 \$225
PKD/PKCμ Antibody (Ab-738), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00606	\$50 \$225
PKD/PKCμ Antibody (Ab-910), pAb, Rabbit	WB	Human	40 µg 200 µg	A00605	\$50 \$225
PKD/PKCμ Antibody (Phospho-Ser ⁷³⁸), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00481	\$69 \$311
PKD/PKCμ Antibody (Phospho-Ser ⁹¹⁰), pAb, Rabbit	WB	Human	40 µg 200 µg	A01021	\$69 \$311
Pyk2 Antibody (Ab-402), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00586	\$50 \$225
Pyk2 Antibody (Phospho-Tyr ⁴⁰²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00498	\$69 \$311
Rac1 Antibody (Ab-71), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00660	\$50 \$225
Raf-1 Antibody (Ab-259), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00209	\$50 \$225
Raf1 Antibody (Ab-338), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A01153	\$50 \$225
Raf-1 Antibody (Phospho-Ser ²⁵⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00215	\$69 \$311
Src Antibody (Ab-529), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00449	\$50 \$225
Src Antibody (Phospho-Tyr ⁵²⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00358	\$69 \$311
Stathmin 1 Antibody (Ab-16), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00573	\$50 \$225
Stathmin 1 Antibody (Ab-25), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00462	\$50 \$225
Stathmin 1 Antibody (Ab-38), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00463	\$50 \$225
Stathmin 1 Antibody (Phospho-Ser ¹⁶), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00505	\$69 \$311
Stathmin 1 Antibody (Phospho-Ser ²⁵), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00326	\$69 \$31
Stathmin 1 Antibody (Phospho-Ser ³⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00324	\$69 \$311
Stathmin1 Antibody (Ab-62), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A01258	\$50 \$225
Synapsin Antibody (Ab-9), pAb, Rabbit	WB	Human	40 µg 200 µg	A00531	\$50 \$225
Synapsin Antibody (Phospho-Ser ⁹), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00551	\$69 \$311
Synaptotagmin I/II Antibody (Ab-202/199), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A01170	\$50 \$225
Ubiquitin Antibody, mAb, Mouse	IF	NA	100 µg	A00134	\$204
Ubiquitin Antibody, pAb, Rabbit	WB, IF	NA	100 µg	A00133	\$204
VASP Antibody (Ab-157), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00458	\$50 \$225
VASP Antibody (Ab-239), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A00451	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
VASP Antibody (Phospho-Ser ¹⁵⁷), pAb, Rabbit	WB,IHC	Human, mouse	40 µg 200 µg	A00332	\$69 \$311
VASP Antibody (Phospho-Ser ²³⁹), pAb, Rabbit	WB,IHC	Human, mouse	40 µg 200 µg	A00353	\$69 \$311
Vav Antibody (Ab-174), pAb, Rabbit	WB	Human	40 µg 200 µg	A00448	\$50 \$225
Vav Antibody (Phospho-Tyr ¹⁷⁴), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00368	\$69 \$311
Vimentin Antibody, pAb, Chicken	IF	Human, mouse, rat	100 µg	A00152	\$204
Vimentin Antibody, pAb, Rabbit	ELISA,WB,IHC	Human*	40 µg 200 µg	A01189	\$50 \$225
α-Catenin Antibody (Ab-641), pAb, Rabbit	WB	Human	40 µg 200 µg	A00931	\$50 \$225
α-Catenin Antibody (Phospho-Ser ⁶⁴¹), pAb, Rabbit	WB	Human	40 µg 200 µg	A00923	\$69 \$311

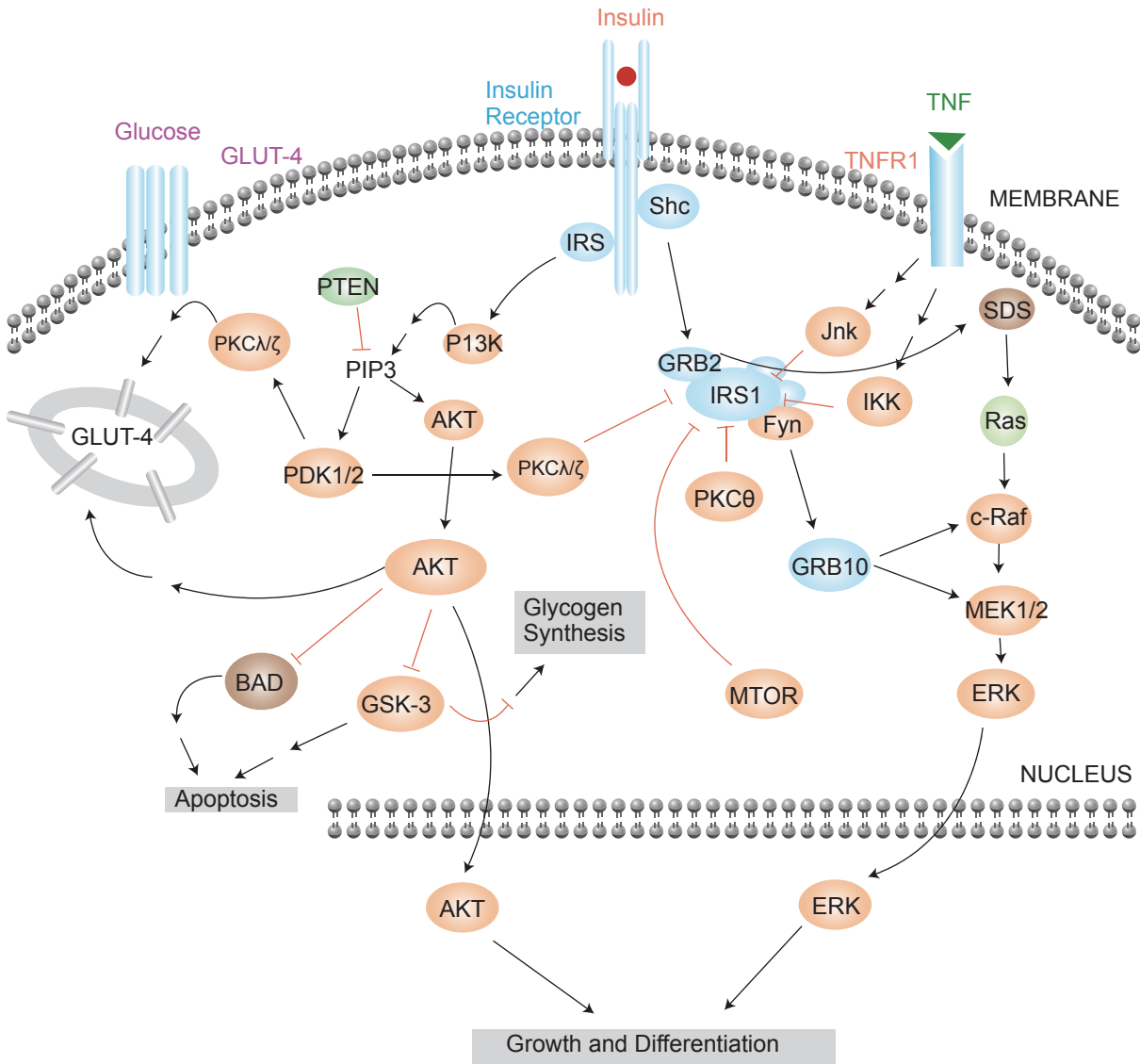
*: This product has not been tested with reactivity to other species.

NA: Not Available.

Insulin/Glucose

As a hormone that has extensive effects on metabolism and other body functions, such as vascular compliance, insulin causes cells in the liver, muscle, and fat tissue to take up glucose from the blood, storing it as glycogen in the liver and muscle. The use of fat as energy source is stopped. Glucose is not taken up by body cells and the body begins to use fat as an energy source, when insulin is absent or in a state of

shortage. The level of insulin is a central metabolic control mechanism. Its status is also used as a control signal to other body systems. It has several other anabolic effects throughout the body. Diabetes mellitus results when control of insulin level fails. GenScript offers a wide selection of antibodies that can be used in your insulin and glucose research.



Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
4E-BP1 Antibody (Phospho-Thr ³⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00329	\$69
			200 µg		\$311
4E-BP1 Antibody (Phospho-Thr ⁴⁵), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00328	\$69
			200 µg		\$311
AFX Antibody (Phospho-Ser ¹⁹⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00372	\$69
			200 µg		\$311
Akt Antibody (Ab-308), pAb, Rabbit	WB, IHC	Human	40 µg	A00304	\$50
			200 µg		\$225
Akt Antibody (Ab-473), pAb, Rabbit	WB, IHC	Human	40 µg	A00301	\$50
			200 µg		\$225
Akt Antibody (Phospho-Ser ⁴⁷³), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg	A00965	\$69
			200 µg		\$311
Akt Antibody (Phospho-Ser ⁴⁷³), pAb, Rabbit	WB, IHC	Human	40 µg	A00272	\$69
			200 µg		\$311
Akt Antibody (Phospho-Thr ³⁰⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00275	\$69
			200 µg		\$311
AKT1 Antibody (Ab-450), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01293	\$50
			200 µg		\$225
AKT1 Antibody (Phospho-Thr ⁴⁵⁰), pAb, Rabbit	IHC, IF	Human	40 µg	A01291	\$69
			200 µg		\$311
AKT1/AKT2 Antibody (Ab-308/309), pAb, Rabbit	IHC	Human	40 µg	A01252	\$50
			200 µg		\$225
AKT1/AKT2/AKT3 Antibody (Ab-315/316/312), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A01227	\$50
			200 µg		\$225
AKT1/AKT2/AKT3 Antibody (Phospho-Tyr ^{315/316/312}), pAb, Rabbit	IHC, IF	Human	40 µg	A01217	\$69
			200 µg		\$311
Akt2 Antibody (Ab-474), pAb, Rabbit	WB, IHC	Human	40 µg	A00441	\$50
			200 µg		\$225
Akt2 Antibody (Phospho-Ser ⁴⁷⁴), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00385	\$69
			200 µg		\$311
AMPK1 Antibody (Phospho-Thr ¹⁷⁴), pAb, Rabbit	IHC	Human	40 µg	A00665	\$69
			200 µg		\$311
AMPK1/AMPK2 Antibody (Phospho-Ser ^{485/491}), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00345	\$69
			200 µg		\$311
BAD Antibody (Ab-112), pAb, Rabbit	WB, IHC	Human	40 µg	A00309	\$50
			200 µg		\$225
BAD Antibody (Ab-136), pAb, Rabbit	WB, IHC	Human	40 µg	A00310	\$50
			200 µg		\$225
BAD Antibody (Ab-155), pAb, Rabbit	WB, IHC	Human	40 µg	A00311	\$50
			200 µg		\$225
BAD Antibody (Phospho-Ser ¹¹²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00295	\$69
			200 µg		\$311
BAD Antibody (Phospho-Ser ¹³⁶), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A01156	\$69
			200 µg		\$311
BAD Antibody (Phospho-Ser ¹⁵⁵), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00296	\$69
			200 µg		\$311
BCL-XL Antibody (Ab-62), pAb, Rabbit	WB	Human	40 µg	A00308	\$50
			200 µg		\$225
BIM Antibody (Ab-69), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00514	\$50
			200 µg		\$225
BIM Antibody (Phospho-Ser ⁶⁹), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00566	\$69
			200 µg		\$311
Caveolin-1 Antibody (Ab-14), pAb, Rabbit	WB	Human, mouse	40 µg	A00413	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Caveolin-1 Antibody (Phospho-Tyr ¹⁴), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00394	\$69
			200 µg		\$311
eIF2α Antibody (Ab-51), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00518	\$50
			200 µg		\$225
eIF2α Antibody (Phospho-Ser ⁵¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00559	\$69
			200 µg		\$311
eIF4E Antibody (Ab-209), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00574	\$50
			200 µg		\$225
eIF4E Antibody (Phospho-Ser ²⁰⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00504	\$69
			200 µg		\$311
eNOS Antibody (Ab-1177), pAb, Rabbit	WB, IF	Human	40 µg	A01152	\$50
			200 µg		\$225
eNOS Antibody (Phospho-Ser ¹¹⁷⁷), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A01158	\$69
			200 µg		\$311
FKHR Antibody (Ab-256), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00427	\$50
			200 µg		\$225
FKHR Antibody (Ab-319), pAb, Rabbit	WB, IHC	Human	40 µg	A00444	\$50
			200 µg		\$225
FKHR Antibody (Phospho-Ser ²⁵⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00395	\$69
			200 µg		\$311
FKHR Antibody (Phospho-Ser ³¹⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00373	\$69
			200 µg		\$311
FKHRL1 Antibody (Phospho-Ser ²⁵³), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00354	\$69
			200 µg		\$311
Gab1 Antibody (Ab-627), pAb, Rabbit	WB, IHC	Human	40 µg	A00512	\$50
			200 µg		\$225
Gab1 Antibody (Phospho-Tyr ⁶²⁷), pAb, Rabbit	WB, IF	Human, mouse	40 µg	A00568	\$69
			200 µg		\$311
GSK3α Antibody (Ab-21), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00210	\$50
			200 µg		\$225
GSK3α Antibody (Phospho-Ser ²¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00216	\$69
			200 µg		\$311
GSK3β Antibody (Ab-9), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00196	\$50
			200 µg		\$225
GSK3β Antibody (Phospho-Ser ⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00193	\$69
			200 µg		\$311
GSK3β Antibody (Phospho-Tyr ²¹⁶), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01031	\$69
			200 µg		\$311
IGF-1R Antibody (Ab-1346), pAb, Rabbit	WB, IHC	Human	40 µg	A00927	\$50
			200 µg		\$225
IKKα Antibody (Phospho-Thr ²³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00356	\$69
			200 µg		\$311
IRS-1 Antibody (Ab-307), pAb, Rabbit	IHC, IF	Human	100 µg	A00572	\$172
			40 µg		\$50
IRS-1 Antibody (Ab-312), pAb, Rabbit	WB	Human	200 µg	A01151	\$225
			40 µg		\$50
IRS-1 Antibody (Ab-636), pAb, Rabbit	WB, IHC, IF	Human	200 µg	A00575	\$225
			40 µg		\$50
IRS-1 Antibody (Ab-639), pAb, Rabbit	WB, IF	Human	200 µg	A01042	\$225
			40 µg		\$50
IRS-1 Antibody (Phospho-Ser ³⁰⁷), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A00506	\$69
			200 µg		\$311
IRS-1 Antibody (Phospho-Ser ⁶³⁶), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00503	\$69
			200 µg		\$311
IRS-1 Antibody (Phospho-Ser ⁶³⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A01027	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
IkB-α Antibody (Ab-32, 36), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00609	\$50 \$225
IkB-α Antibody (Phospho-Ser ^{32,36}), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A00359	\$69 \$311
IkB-α Antibody (Phospho-Tyr ⁴²), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00349	\$69 \$311
MEK1 Antibody (Ab-217), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A01041	\$50 \$225
MEK1 Antibody (Ab-221), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00452	\$50 \$225
MEK1 Antibody (Ab-291), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00510	\$50 \$225
MEK1 Antibody (Phospho-Ser ²¹⁷), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00497	\$69 \$311
MEK1 Antibody (Phospho-Ser ²²¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00351	\$69 \$311
MEK1 Antibody (Phospho-Thr ²⁹¹), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00571	\$69 \$311
MEK2 Antibody (Ab-394), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00211	\$50 \$225
MEK2 Antibody (Phospho-Thr ³⁹⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00217	\$69 \$311
mTOR Antibody (Ab-2448), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A01154	\$50 \$225
mTOR Antibody (Phospho-Ser ²⁴⁴⁸), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A00643	\$69 \$311
p44/42 MAP Kinase Antibody (Ab-202), pAb, Rabbit	WB	Human	40 µg 200 µg	A00564	\$50 \$225
p44/42 MAP Kinase Antibody (Ab-204), pAb, Rabbit	WB	Human, mouse	100 µg	A00562	\$172
p44/42 MAP Kinase Antibody (Phospho-Thr ²⁰²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00525	\$69 \$311
p44/42 MAP Kinase Antibody (Phospho-Tyr ²⁰⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00526	\$69 \$311
p70 S6 Kinase Antibody (Ab-411), pAb, Rabbit	WB, IHC, IF	Human	100 µg	A00527	\$172
p70 S6 Kinase Antibody (Ab-421), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00550	\$50 \$225
p70 S6 Kinase Antibody (Ab-424), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00516	\$50 \$225
p70 S6 Kinase Antibody (Phospho-Ser ⁴¹¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00554	\$69 \$311
p70 S6 Kinase Antibody (Phospho-Ser ⁴²⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00561	\$69 \$311
p70 S6 Kinase Antibody (Phospho-Thr ⁴²¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00539	\$69 \$311
PDK1 Antibody (Ab-241), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00208	\$50 \$225
PDK1 Antibody (Phospho-Ser ²⁴¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00207	\$69 \$311
PKCβ Antibody (Ab-641), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00655	\$50 \$225
PKCβ Antibody (Phospho-Thr ⁶⁴¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00654	\$69 \$311
PP2A-α Antibody, pAb, Rabbit	WB	Human	40 µg 200 µg	A01226	\$50 \$225

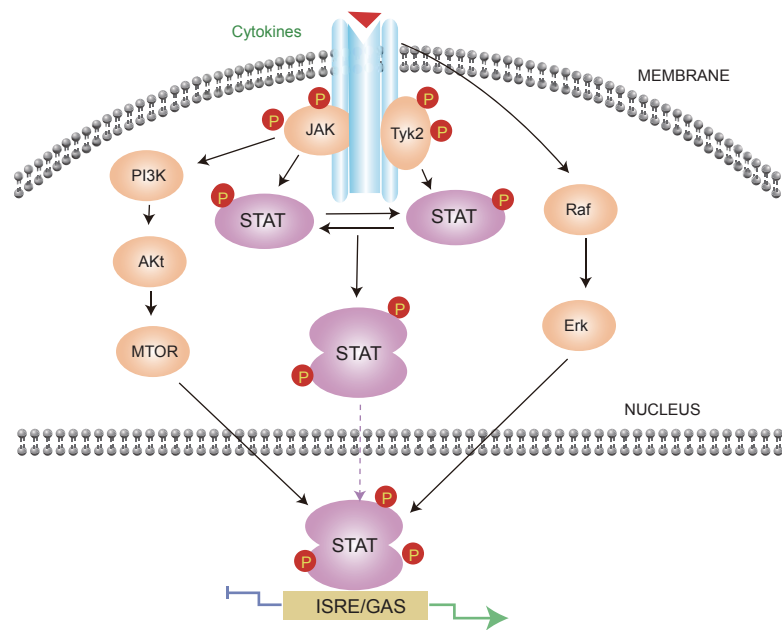
Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
PTEN Antibody (Ab-370), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00303	\$50 \$225
PTEN Antibody (Ab-380, 382, 383), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00302	\$50 \$225
PTEN Antibody (Phospho-Ser ³⁷⁰), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00290	\$69 \$311
PTEN Antibody (Phospho-Ser ³⁸⁰), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A00218	\$69 \$311
PTEN Antibody (Phospho-Ser ³⁸⁰ , Thr ^{382,383}), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00277	\$69 \$311
Raf-1 Antibody (Ab-259), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00209	\$50 \$225
Raf1 Antibody (Ab-338), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A01153	\$50 \$225
Raf-1 Antibody (Phospho-Ser ²⁵⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00215	\$69 \$311
S6 Ribosomal Protein Antibody (Ab-235), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00465	\$50 \$225
S6 Ribosomal Protein Antibody (Phospho-Ser ²³⁵), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00315	\$69 \$311
Shc1 Antibody (Ab-427), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00930	\$50 \$225
Shc1 Antibody (Phospho-Tyr ⁴²⁷), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A01035	\$69 \$311
SHP-1 Antibody (Ab-536), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00970	\$50 \$225
SHP-1 Antibody (Phospho-Tyr ⁵³⁶), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A00969	\$69 \$311

*: This product has not been tested with reactivity to other species.
NA: Not Available.

Jak/Stat

The Jak/Stat signaling pathway is involved in the regulation of cellular responses to cytokines and growth factors. Employing Janus kinases (Jaks) or/and Signal Transducers and Activators of Transcription (Stats), the pathway transduces the signal carried by these extracellular polypeptides to the cell nucleus, where gene expression modification by Stat proteins is activated. Although Stats were originally discovered as targets

of Jaks, it has now become apparent that certain stimuli can activate them independent of Jaks. This pathway plays a central role in deciding principal cell fate and regulating the processes of cell proliferation, differentiation, and apoptosis. It is particularly important in hematopoiesis-production of blood cells. GenScript offers a wide selection of antibodies that can be used in your Jak/Stat signaling pathway research.



Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Akt Antibody (Ab-308), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00304	\$50 \$225
Akt Antibody (Ab-473), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00301	\$50 \$225
Akt Antibody (Phospho-Ser ⁴⁷³), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00272	\$69 \$311
Akt Antibody (Phospho-Ser ⁴⁷³), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg 200 µg	A00965	\$69 \$311
Akt Antibody (Phospho-Thr ³⁰⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00275	\$69 \$311
AKT1 Antibody (Ab-450), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A01293	\$50 \$225
AKT1 Antibody (Phospho-Thr ⁴⁵⁰), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01291	\$69 \$311
AKT1/AKT2 Antibody (Ab-308/309), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01252	\$50 \$225
AKT1/AKT2/AKT3 Antibody (Ab-315/316/312), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A01227	\$50 \$225
AKT1/AKT2/AKT3 Antibody (Phospho-Tyr ^{315/316/312}), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01217	\$69 \$311
Akt2 Antibody (Ab-474), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00441	\$50 \$225
Akt2 Antibody (Phospho-Ser ⁴⁷⁴), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00385	\$69 \$311
CaMKII Antibody (Phospho-Thr ²⁸⁶), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00563	\$69 \$311
Estrogen Receptor-α Antibody (Phospho-Ser ¹⁰⁴), pAb, Rabbit	IHC	Human, mouse	40 µg 200 µg	A00479	\$69 \$311
Estrogen Receptor-α Antibody (Phospho-Ser ¹⁰⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg 200 µg	A00297	\$69 \$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Estrogen Receptor-α Antibody (Phospho-Ser ¹¹⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg 200 µg	A00298	\$69 \$311
Estrogen Receptor-α Antibody (Phospho-Ser ¹⁶⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg 200 µg	A00299	\$69 \$311
JAK1 Antibody (Ab-1022), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00418	\$50 \$225
JAK1 Antibody (Phospho-Tyr ¹⁰²²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00363	\$69 \$311
JAK2 Antibody (Ab-1007), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A01185	\$50 \$225
JAK2 Antibody (Ab-221), pAb, Rabbit	IHC	Human	40 µg 200 µg	A00419	\$50 \$225
Jak2 Antibody (Ab-570), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01259	\$50 \$225
JAK2 Antibody (Phospho-Tyr ¹⁰⁰⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00360	\$69 \$311
JAK2 Antibody (Phospho-Tyr ²²¹), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00362	\$69 \$311
MEK2 Antibody (Ab-394), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00211	\$50 \$225
MEK2 Antibody (Phospho-Thr ³⁹⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00217	\$69 \$311
mTOR Antibody (Ab-2448), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A01154	\$50 \$225
mTOR Antibody (Phospho-Ser ²⁴⁴⁸), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A00643	\$69 \$311
p44/42 MAP Kinase Antibody (Ab-202), pAb, Rabbit	WB	Human	40 µg 200 µg	A00564	\$50 \$225
p44/42 MAP Kinase Antibody (Ab-204), pAb, Rabbit	WB	Human, mouse	100 µg	A00562	\$172
p44/42 MAP Kinase Antibody (Phospho-Thr ²⁰²), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00525	\$69 \$311
p44/42 MAP Kinase Antibody (Phospho-Tyr ²⁰⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00526	\$69 \$311
Raf-1 Antibody (Ab-259), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00209	\$50 \$225
Raf1 Antibody (Ab-338), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A01153	\$50 \$225
Raf-1 Antibody (Phospho-Ser ²⁵⁹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00215	\$69 \$311
STAT1 Antibody (Ab-701), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00274	\$50 \$225
STAT1 Antibody (Ab-727), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00454	\$50 \$225
STAT1 Antibody (Phospho-Ser ⁷²⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00347	\$69 \$311
STAT1 Antibody (Phospho-Tyr ⁷⁰¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00249	\$69 \$311
Stat2 Antibody (Ab-690), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A01263	\$50 \$225
STAT3 Antibody (Ab-727), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00278	\$50 \$225
STAT3 Antibody (Phospho-Ser ⁷²⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00251	\$69 \$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
STAT4 Antibody (Ab-693), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00279	\$50 \$225
STAT4 Antibody (Phospho-Tyr ⁶⁹³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00252	\$69 \$311
STAT5A Antibody (Ab-694), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00280	\$50 \$225
STAT5A Antibody (Ab-780), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00281	\$50 \$225
STAT5A Antibody (Phospho-Ser ⁷⁸⁰), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00254	\$69 \$311
STAT5A Antibody (Phospho-Tyr ⁶⁹⁴), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00253	\$69 \$311
STAT6 Antibody (Ab-641), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00282	\$50 \$225
STAT6 Antibody (Ab-645), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00284	\$50 \$225
STAT6 Antibody (Phospho-Thr ⁶⁴⁵), pAb, Rabbit	IHC	Human	40 µg 200 µg	A00478	\$69 \$311
STAT6 Antibody (Phospho-Tyr ⁶⁴¹), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00263	\$69 \$311
TYK2 Antibody (Ab-1054), pAb, Rabbit	IHC	Human	40 µg 200 µg	A00416	\$50 \$225
TYK2 Antibody (Phospho-Tyr ¹⁰⁵⁴), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A01184	\$69 \$311

*: This product has not been tested with reactivity to other species.
NA: Not Available.

Kinase/Phosphatases

A kinase is a type of enzyme involved in phosphorylation by which a phosphate group is transferred from high-energy donor molecules, such as ATP, to specific substrates. On the contrary, an enzyme that removes phosphate groups is known as a phosphatase.

If a protein is phosphorylated by a kinase, the phosphate group

must eventually be removed by a phosphatase through hydrolysis. If not, the phosphorylated protein would stay in a constant activated or inhibited state. Kinases and phosphatases regulate all aspects of cellular function.

GenScript offers a wide selection of antibodies that can be used in your kinase and phosphatase research.

Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
ABL1/2 Antibody (Ab-393/429), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01262	\$50 \$225
ABL1/2 Antibody (Phospho-Tyr ^{393/429}), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01272	\$69 \$311
Akt Antibody (Phospho-Ser ⁴⁷³), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg 200 µg	A00959	\$50 \$225
AMPK1 Antibody (Ab-174), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00664	\$50 \$225
AMPK1 Antibody (Phospho-Thr ¹⁷⁴), pAb, Rabbit	IHC	Human	40 µg 200 µg	A00665	\$69 \$311
AuroraA Antibody (Phospho-Thr ²⁸⁸), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01292	\$69 \$311
Bcr Antibody (Ab-177), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00589	\$50 \$225
Bcr Antibody (Phospho-Tyr ¹⁷⁷), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A00496	\$69 \$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
CaMKII Antibody (Phospho-Thr ²⁸⁶), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00563	\$69 \$311
cAMP Antibody, pAb, Rabbit	ELISA	NA	40 µl 200 µl	A00614	\$85 \$400
cdc2 Antibody (Ab-19), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01295	\$50 \$225
CDK6 Antibody (Ab-13), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01264	\$50 \$225
CDK6 Antibody (Ab-24), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01265	\$50 \$225
CDK6 Antibody (Phospho-Tyr ²⁴), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01274	\$69 \$311
Chk2 Antibody (Ab-33), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01261	\$50 \$225
EGFR Antibody (Ab-1070), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00344	\$50 \$225
EGFR Antibody (Ab-1092), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00346	\$50 \$225
EGFR Antibody (Ab-1110), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00538	\$50 \$225
EGFR Antibody (Ab-1172), pAb, Rabbit	WB	Human	40 µg 200 µg	A00661	\$50 \$225
EGFR Antibody (Ab-1197), pAb, Rabbit	WB	Human	40 µg 200 µg	A00578	\$50 \$225
EGFR Antibody (Ab-678), pAb, Rabbit	WB	Human	40 µg 200 µg	A00666	\$50 \$225
EGFR Antibody (Ab-869), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00577	\$50 \$225
EGFR Antibody (Phospho-Ser ¹⁰⁷⁰), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00320	\$69 \$311
EGFR Antibody (Phospho-Thr ⁶⁷⁸), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00667	\$69 \$311
EGFR Antibody (Phospho-Thr ⁶⁹³), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00668	\$69 \$311
EGFR Antibody (Phospho-Tyr ¹⁰⁹²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00361	\$69 \$311
EGFR Antibody (Phospho-Tyr ¹¹¹⁰), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00548	\$69 \$311
EGFR Antibody (Phospho-Tyr ¹¹⁷²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00501	\$69 \$311
EGFR Antibody (Phospho-Tyr ¹¹⁹⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00502	\$69 \$311
EGFR Antibody (Phospho-Tyr ⁸⁶⁹), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00271	\$69 \$311
FAK Antibody (Phospho-Tyr ³⁹⁷), pAb, Rabbit	WB, IF	Human, rat	40 µg 200 µg	A01142	\$69 \$311
GSK3β Antibody (Phospho-Tyr ²¹⁶), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A01031	\$69 \$311
HER2 Antibody (Ab-1221,1222), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00327	\$50 \$225
HER2 Antibody (Ab-1248), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00331	\$50 \$225
HER2 Antibody (Ab-877), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00325	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
HER2 Antibody (Phospho-Tyr ^{1221,1222}), pAb, Rabbit	WB, IF	Human	40 µg	A00314	\$69
			200 µg		\$311
HER2 Antibody (Phospho-Tyr ¹²⁴⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00318	\$69
			200 µg		\$311
HER2 Antibody (Phospho-Tyr ⁸⁷⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00313	\$69
			200 µg		\$311
HER3/ErbB3 Antibody (Ab-1328), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01255	\$50
			200 µg		\$225
HER3/ErbB3 Antibody (Phospho-Tyr ¹³²⁸), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01269	\$69
			200 µg		\$311
IGF-1R Antibody (Ab-1161), pAb, Rabbit	WB, IHC	Human	40 µg	A00380	\$50
			200 µg		\$225
IGF-1R Antibody (Ab-1165, 1166), pAb, Rabbit	WB	Human	40 µg	A00383	\$50
			200 µg		\$225
IGF-1R Antibody (Ab-1346), pAb, Rabbit	WB, IHC	Human	40 µg	A00927	\$50
			200 µg		\$225
IGF-1R Antibody (Phospho-Tyr ¹¹⁶¹), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00371	\$69
			200 µg		\$311
IGF-1R Antibody (Phospho-Tyr ^{1165,1166}), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00376	\$69
			200 µg		\$311
JAK2 Antibody (Ab-1007), pAb, Rabbit	WB	Human, mouse	40 µg	A01185	\$50
			200 µg		\$225
Jak2 Antibody (Ab-570), pAb, Rabbit	IHC	Human	40 µg	A01259	\$50
			200 µg		\$225
Lck Antibody (Phospho-Tyr ³⁹⁴), pAb, Rabbit	WB	Human, mouse	40 µg	A01024	\$69
			200 µg		\$311
MAPKAPK-2 Antibody (Phospho-Thr ³³⁴), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01034	\$69
			200 µg		\$311
MEK1 Antibody (Ab-217), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01041	\$50
			200 µg		\$225
mTOR Antibody (Ab-2448), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01154	\$50
			200 µg		\$225
PAK1/PAK2/PAK3 Antibody (Ab-423/402/421), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A01040	\$50
			200 µg		\$225
PKA RI α Antibody, pAb, Rabbit	WB	Human	40 µg	A00948	\$50
			200 µg		\$225
PKA RI β Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00949	\$50
			200 µg		\$225
PKA RI β Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00947	\$50
			200 µg		\$225
PKC α Antibody, pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00901	\$50
			200 µg		\$225
PKC α / β 2 Antibody (Phospho-Thr ^{638/641}), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A00913	\$69
			200 µg		\$311
PKC α / β 2 Antibody (Thr ^{638/641}), pAb, Rabbit	ELISA, WB	Human, mouse	40 µg	A01052	\$50
			200 µg		\$225
PKC β 2 Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00903	\$50
			200 µg		\$225
PKC δ Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00905	\$50
			200 µg		\$225
PKC ζ Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00908	\$50
			200 µg		\$225
PKC η Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00906	\$50
			200 µg		\$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
PKCv Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A01067	\$50
			200 µg		\$225
PKD/PKC μ Antibody (Phospho-Ser ⁷³⁸), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00481	\$69
			200 µg		\$311
PKD/PKC μ Antibody (Phospho-Ser ⁹¹⁰), pAb, Rabbit	WB	Human	40 µg	A01021	\$69
			200 µg		\$311
PKG-2 Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A01070	\$50
			200 µg		\$225
PKR Antibody (Phospho-Thr ⁴⁴⁶), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00649	\$69
			200 µg		\$311
PKR Antibody (Phospho-Thr ⁴⁵¹), pAb, Rabbit	IHC	Human	40 µg	A01030	\$69
			200 µg		\$311
PLC γ 1 Antibody (Ab-771), pAb, Rabbit	WB, IHC	Human	40 µg	A01260	\$50
			200 µg		\$225
PLC γ 1 Antibody (Ab-783), pAb, Rabbit	WB	Human	40 µg	A01039	\$50
			200 µg		\$225
PLC γ 1 Antibody (Phospho-Tyr ⁷⁸³), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01022	\$69
			200 µg		\$311
PLC- γ 2 Antibody (Ab-1217), pAb, Rabbit	IHC	Human	40 µg	A01294	\$50
			200 µg		\$225
PLC γ 2 Antibody (Ab-753), pAb, Rabbit	WB, IF	Human	40 µg	A00658	\$50
			200 µg		\$225
PLC γ 2 Antibody (Phospho-Tyr ⁷⁵³), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg	A00659	\$69
			200 µg		\$311
PP2A- α Antibody, pAb, Rabbit	WB	Human	40 µg	A01226	\$50
			200 µg		\$225
SAPK/JNK Antibody (Ab-183), pAb, Rabbit	WB, IHC	Human	40 µg	A01161	\$50
			200 µg		\$225
SHP-1 Antibody (Ab-536), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00970	\$50
			200 µg		\$225
Syk Antibody (Ab-323), pAb, Rabbit	IHC, IF	Human	40 µg	A01266	\$50
			200 µg		\$225
Syk Antibody (Phospho-Tyr ³²³), pAb, Rabbit	IHC, IF	Human	40 µg	A01275	\$69
			200 µg		\$311
TrkB Antibody (Phospho-Tyr ⁷⁰⁵), pAb, Rabbit	WB	Human, mouse	40 µg	A01186	\$69
			200 µg		\$311
TYK2 Antibody (Phospho-Tyr ¹⁰⁵⁴), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A01184	\$69
			200 µg		\$311
VEGFR2 Antibody (Ab-1175), pAb, Rabbit	IHC	Human	40 µg	A00352	\$50
			200 µg		\$225
VEGFR2 Antibody (Ab-1214), pAb, Rabbit	IHC	Human	40 µg	A00355	\$50
			200 µg		\$225
VEGFR2 Antibody (Ab-951), pAb, Rabbit	WB, IHC	Human	40 µg	A00357	\$50
			200 µg		\$225
VEGFR2 Antibody (Phospho-Tyr ¹¹⁷⁵), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00366	\$69
			200 µg		\$311
VEGFR2 Antibody (Phospho-Tyr ¹²¹⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00367	\$69
			200 µg		\$311
VEGFR2 Antibody (Phospho-Tyr ⁹⁵¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00370	\$69
			200 µg		\$311

*: This product has not been tested with reactivity to other species.
NA: Not Available.

Nuclear Signaling

The cellular and molecular mechanisms that give neurons their unique signaling abilities are also targets for disease processes that can compromise the function of the nervous system. The knowledge of cellular and molecular biology of neurons is therefore fundamental to the understanding of a variety of brain pathologies. An increasing number of diseases of the nervous

system are beginning to be understood as discrete disorders of neuronal signaling molecules. This information is now stimulating novel pharmacological and molecular biological approaches to diagnose and treat these diseases. GenScript offers a wide selection of antibodies that can be used in your nuclear signaling research.

Product Overview:

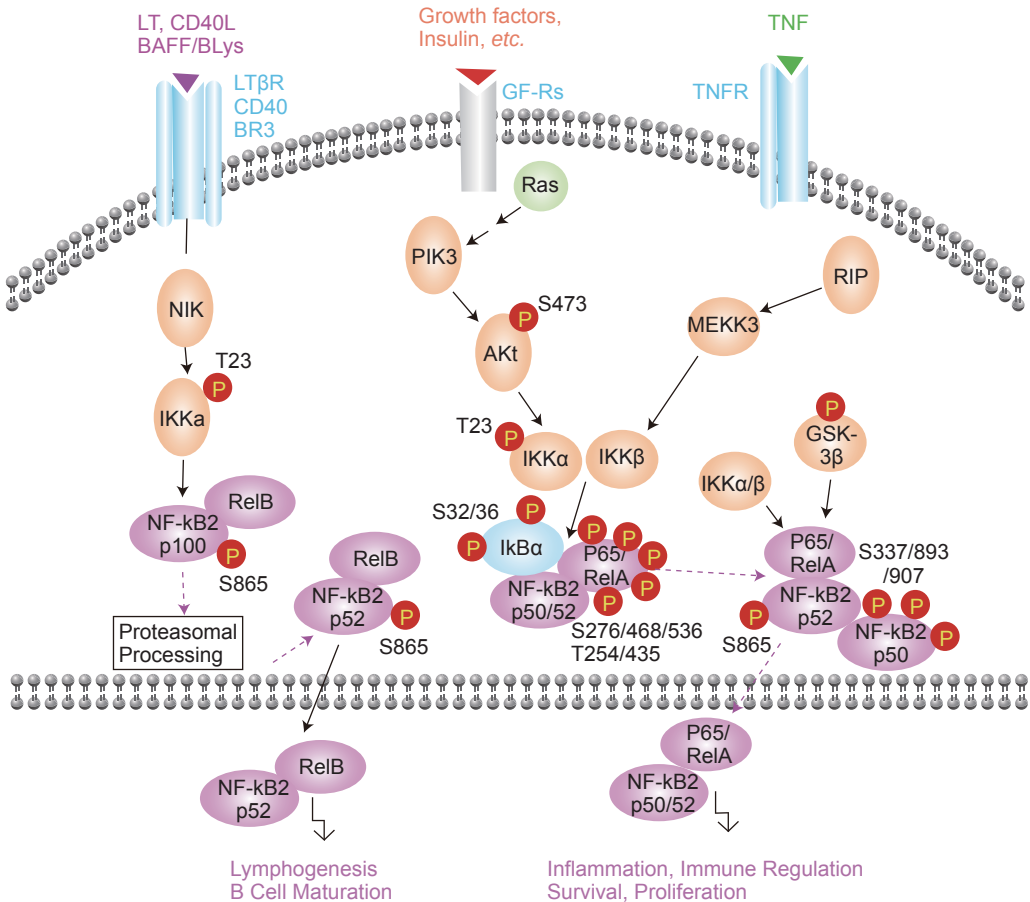
Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
FEN-1 Antibody, pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A01461	\$50 \$225
FEN-1 Antibody, pAb, Rabbit	WB	Human*	40 µg 200 µg	A01421	\$50 \$225
Fibrillarin Antibody, pAb, Rabbit	WB	Human*	40 µg 200 µg	A01462	\$50 \$225
Geminin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg 200 µg	A01246	\$50 \$225
Geminin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg 200 µg	A01251	\$50 \$225
HEC1 Antibody, pAb, Rabbit	WB	Human	40 µg 200 µg	A01504	\$50 \$225
Histone H3 Antibody, pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A01502	\$50 \$225
Lamin A+C Antibody, pAb, Rabbit	WB	Human, mouse*	40 µg 200 µg	A01455	\$50 \$225
p35 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg 200 µg	A01423	\$50 \$225

*: This product has not been tested with reactivity to other species.
NA: Not Available.

NF-κB Pathway

NF-κB (nuclear factor kappa-light-chain-enhancer of activated B cells) is a protein complex that NF-κB (nuclear factor kappa-light-chain-enhancer of activated B cells) is a protein complex that acts as a transcription factor. Found in almost all animal cell types, NF-κB is involved in cellular responses to stimuli such as stress, cytokines, free radicals, ultraviolet irradiation, oxidized LDL, and bacterial or viral antigens. NF-κB plays a key role in regulating the immune response to infection.

Consistent with this role, incorrect regulation of NF-κB has been linked to cancer, inflammatory and autoimmune diseases, septic shock, viral infection, and improper immune development. NF-κB has also been implicated in the processes of synaptic plasticity and memory. GenScript offers a wide selection of antibodies that can be used in your NF-κB pathway research.



Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
ATM Antibody (Ab-1981), pAb, Rabbit	WB,IF	Human	40 µg 200 µg	A01222	\$50 \$225
eIF2α Antibody (Ab-51), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00518	\$50 \$225
eIF2α Antibody (Phospho-Ser ⁵¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00559	\$69 \$311
GSK3β Antibody (Ab-9), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00196	\$50 \$225
GSK3β Antibody (Phospho-Ser ⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00193	\$69 \$311
GSK3β Antibody (Phospho-Tyr ²¹⁶), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A01031	\$69 \$311
HDAC2 Antibody (Ab-394), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00428	\$50 \$225
HDAC2 Antibody (Phospho-Ser ³⁹⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A01169	\$69 \$311
HDAC2 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg 200 µg	A01178	\$50 \$225

Product Name	Applications	Species Reactivity	Quantity	Cat. No.	Price
HDAC4 Antibody (Ab-632), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00429	\$50 \$225
HDAC4 Antibody (Phospho-Ser ⁶³²), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A00338	\$69 \$311
HDAC4/HDAC5/HDAC9 Antibody (Ab-246/259/220), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg 200 µg	A01257	\$50 \$225
HDAC4/HDAC5/HDAC9 Antibody (Phospho-Ser ^{246/259/220}), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A01271	\$69 \$311
HDAC5 Antibody (Ab-498), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A00430	\$50 \$225
HDAC5 Antibody (Phospho-Ser ⁴⁹⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00337	\$69 \$311
HDAC8 Antibody (Ab-39), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A00431	\$50 \$225
HDAC8 Antibody (Phospho-Ser ³⁹), pAb, Rabbit	IHC, IF	Human	100 µg	A00382	\$240
IKKα Antibody (Ab-23), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00421	\$50 \$225
IKKα Antibody (Phospho-Thr ²³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00356	\$69 \$311
IκB-α Antibody (Ab-32, 36), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00609	\$50 \$225
IκB-α Antibody (Ab-42), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00453	\$50 \$225
IκB-α Antibody (Phospho-Ser ^{32, 36}), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg 200 µg	A00359	\$69 \$311
IκB-α Antibody (Phospho-Tyr ⁴²), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00349	\$69 \$311
IκB-β Antibody (Ab-23), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00928	\$50 \$225
IκB-β Antibody (Phospho-Ser ²³), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A01032	\$69 \$311
Lck Antibody (Phospho-Tyr ³⁹⁴), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A01024	\$69 \$311
NF-κB p100/p52 Antibody (Ab-866), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00583	\$50 \$225
NF-κB p100/p52 Antibody (Ab-870), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00225	\$50 \$225
NF-κB p100/p52 Antibody (Phospho-Ser ⁸⁶⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00469	\$69 \$311
NF-κB p100/p52 Antibody (Phospho-Ser ⁸⁷⁰), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00226	\$69 \$311
NF-κB p105/p50 Antibody (Ab-337), pAb, Rabbit	IHC	Human	40 µg 200 µg	A00585	\$50 \$225
NF-κB p105/p50 Antibody (Ab-893), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00227	\$50 \$225
NF-κB p105/p50 Antibody (Ab-907), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00228	\$50 \$225
NF-κB p105/p50 Antibody (Ab-927), pAb, Rabbit	WB, IF	Human	40 µg 200 µg	A00929	\$50 \$225
NF-κB p105/p50 Antibody (Ab-932), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00555	\$50 \$225
NF-κB p105/p50 Antibody (Phospho-Ser ³³⁷), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00470	\$69 \$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁸⁹³), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A00229	\$69 \$311

Product Name	Applications	Species Reactivity	Quantity	Cat. No.	Price
NF-κB p105/p50 Antibody (Phospho-Ser ⁹⁰⁷), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00230	\$69 \$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁹²⁷), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00922	\$69 \$311
NF-κB p105/p50 Antibody (Phospho-Ser ⁹³²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00534	\$69 \$311
NF-κB p65 Antibody (Ab-276), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00212	\$50 \$225
NF-κB p65 Antibody (Ab-311), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00542	\$50 \$225
NF-κB p65 Antibody (Ab-435), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00213	\$50 \$225
NF-κB p65 Antibody (Ab-468), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00219	\$50 \$225
NF-κB p65 Antibody (Ab-505), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A01163	\$50 \$225
NF-κB p65 Antibody (Ab-529), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00459	\$50 \$225
NF-κB p65 Antibody (Ab-536), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00222	\$50 \$225
NF-κB p65 Antibody (Phospho-Ser ²⁷⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00220	\$69 \$311
NF-κB p65 Antibody (Phospho-Ser ³¹¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00543	\$69 \$311
NF-κB p65 Antibody (Phospho-Ser ⁴⁶⁸), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00223	\$69 \$311
NF-κB p65 Antibody (Phospho-Ser ⁵²⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00330	\$69 \$311
NF-κB p65 Antibody (phospho-ser ⁵³⁶), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00224	\$69 \$311
NF-κB p65 Antibody (Phospho-Thr ²⁵⁴), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00468	\$69 \$311
NF-κB p65 Antibody (Phospho-Thr ⁴³⁵), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00221	\$69 \$311
NF-κB p65 Antibody (Phospho-Thr ⁵⁰⁵), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A01159	\$69 \$311
p38 MAPK Antibody (Ab-182), pAb, Rabbit	WB	Human, mouse	40 µg 200 µg	A00553	\$50 \$225
p38 MAPK Antibody (Phospho-Thr ¹⁸⁰), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00535	\$69 \$311
p38 MAPK Antibody (Phospho-Tyr ¹⁸²), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg 200 µg	A00537	\$69 \$311
PKCβ Antibody (Ab-641), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00655	\$50 \$225
PKCβ Antibody (Phospho-Thr ⁶⁴¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00654	\$69 \$311
PKR Antibody (Phospho-Thr ⁴⁴⁶), pAb, Rabbit	WB, IHC, IF	Human	40 µg 200 µg	A00649	\$69 \$311
PKR Antibody (Phospho-Thr ⁴⁵¹), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01030	\$69 \$311
PLCγ1 Antibody (Ab-771), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A01260	\$50 \$225
PLCγ1 Antibody (Ab-783), pAb, Rabbit	WB	Human	40 µg 200 µg	A01039	\$50 \$225

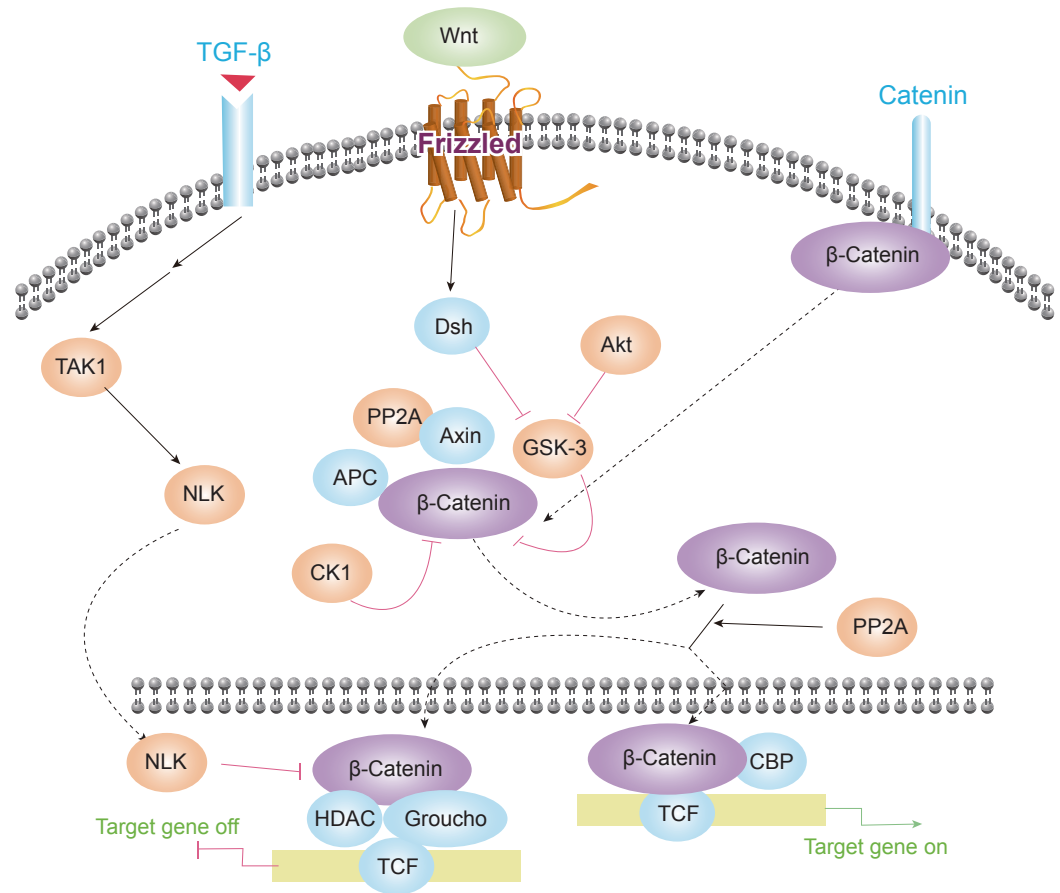
Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
PLCγ1 Antibody (Phospho-Tyr ⁷⁸³), pAb, Rabbit	WB	Human, mouse, rat	40 µg 200 µg	A01022	\$69 \$311
PLCγ2 Antibody (Ab-1217), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01294	\$50 \$225
PLCγ2 Antibody (Ab-753), pAb, Rabbit	WB,IF	Human	40 µg 200 µg	A00658	\$50 \$225
PLCγ2 Antibody (Phospho-Tyr ¹²¹⁷), pAb, Rabbit	IHC	Human	40 µg 200 µg	A01219	\$69 \$311
PLCγ2 Antibody (Phospho-Tyr ⁷⁵³), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00659	\$69 \$311
RelB Antibody (Ab-573), pAb, Rabbit	WB	Human	40 µg 200 µg	A00547	\$50 \$225
RelB Antibody (Phospho-Ser ⁵⁷³), pAb, Rabbit	WB, IHC	Human, mouse	40 µg 200 µg	A00540	\$69 \$311
Syk Antibody (Ab-323), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01266	\$50 \$225
Syk Antibody (Phospho-Tyr ³²³), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01275	\$69 \$311
Zap-70 Antibody (Ab-319), pAb, Rabbit	WB, IHC	Human	100 µg	A00594	\$172
Zap-70 Antibody (Phospho-Tyr ³¹⁹), pAb, Rabbit	WB, IF	Human, mouse, rat	40 µg 200 µg	A00491	\$69 \$311
Zap-70 Antibody (Phospho-Tyr ⁴⁹³), pAb, Rabbit	IHC	Human, mouse, rat	40 µg 200 µg	A00492	\$69 \$311

*: This product has not been tested with reactivity to other species.
 NA: Not Available.

Wnt/β-Catenin

The Wnt/β-Catenin pathway regulates cell fate decisions during the development of vertebrates and invertebrates. As a secreted glycoprotein, the Wnt-ligand binds to Frizzled receptors. This further triggers a cascade and causes the displacement of GSK-3β from the APC/Axin/GSK-3 β-complex. In the absence of Wnt-signal (Off-state), APC/Axin/GSK-3 β-complex targets β-catenin for degradation. Appropriate phosphorylation of β-catenin by coordinated action of GSK-3β and CK1 leads to its ubiquitination and proteasomal degradation

through the β-TrCP/SKP complex. In the presence of Wnt binding (On-state), dishevelled (Dsh) is activated, seemingly at least in part by phosphorylation, which in turn recruits GSK-3β away from the degradation complex. This allows for stabilization of β-catenin levels, nuclear import and recruitment to the LEF/TCF DNA-binding factors where it acts as an activator for transcription by displacement of Groucho-HDAC co-repressors. GenScript offers a wide selection of antibodies that can be used in your Wnt/β-Catenin pathway research.



Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
14-3-3 ζ Antibody (Phospho-Ser ⁵⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00919	\$69 \$311
Akt Antibody (Ab-308), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00304	\$50 \$225
Akt Antibody (Ab-473), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00301	\$50 \$225
Akt Antibody (Phospho-Ser ⁴⁷³), pAb, Rabbit	ELISA, WB	Human, mouse, rat	40 µg 200 µg	A00965	\$69 \$311
Akt Antibody (Phospho-Ser ⁴⁷³), pAb, Rabbit	WB, IHC	Human	40 µg 200 µg	A00272	\$69 \$311
Akt Antibody (Phospho-Thr ³⁰⁸), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg 200 µg	A00275	\$69 \$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
AKT1 Antibody (Ab-450), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A01293	\$50
			200 µg		\$225
AKT1 Antibody (Phospho-Thr ⁴⁵⁰), pAb, Rabbit	IHC, IF	Human	40 µg	A01291	\$69
			200 µg		\$311
AKT1/AKT2 Antibody (Ab-308/309), pAb, Rabbit	IHC	Human	40 µg	A01252	\$50
			200 µg		\$225
AKT1/AKT2/AKT3 Antibody (Ab-315/316/312), pAb, Rabbit	IHC	Human, mouse, rat	40 µg	A01227	\$69
			200 µg		\$311
AKT1/AKT2/AKT3 Antibody (Phospho-Tyr ^{315/316/312}), pAb, Rabbit	IHC, IF	Human	40 µg	A01217	\$69
			200 µg		\$311
Akt2 Antibody (Phospho-Ser ⁴⁷⁴), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00385	\$69
			200 µg		\$311
CaMKII Antibody (Phospho-Thr ²⁶⁸), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00563	\$69
			200 µg		\$311
Catenin Antibody (Ab-33), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00584	\$50
			200 µg		\$225
GSK3α Antibody (Ab-21), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00210	\$50
			200 µg		\$225
GSK3α Antibody (Phospho-Ser ²¹), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00216	\$69
			200 µg		\$311
GSK3β Antibody (Ab-9), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00196	\$50
			200 µg		\$225
GSK3β Antibody (Phospho-Ser ⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00193	\$69
			200 µg		\$311
HDAC2 Antibody (Ab-394), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00428	\$50
			200 µg		\$225
HDAC2 Antibody (Phospho-Ser ³⁹⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A01169	\$69
			200 µg		\$311
HDAC2 Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01178	\$50
			200 µg		\$225
HDAC4 Antibody (Ab-632), pAb, Rabbit	WB, IF	Human	40 µg	A00429	\$50
			200 µg		\$225
HDAC4 Antibody (Phospho-Ser ⁶³²), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00338	\$69
			200 µg		\$311
HDAC4/HDAC5/HDAC9 Antibody (Ab-246/259/220), pAb, Rabbit	WB, IHC, IF	Human, mouse	40 µg	A01257	\$50
			200 µg		\$225
HDAC4/HDAC5/HDAC9 Antibody (Phospho-Ser ^{246/259/220}), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A01271	\$69
			200 µg		\$311
HDAC5 Antibody (Ab-498), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00430	\$50
			200 µg		\$225
HDAC5 Antibody (Phospho-Ser ⁴⁹⁸), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00337	\$69
			200 µg		\$311
HDAC8 Antibody (Ab-39), pAb, Rabbit	WB, IHC	Human, mouse	40 µg	A00431	\$50
			200 µg		\$225
HDAC8 Antibody (Phospho-Ser ³⁹), pAb, Rabbit	IHC, IF	Human	100 µg	A00382	\$240
PKCβ Antibody (Ab-641), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00655	\$50
			200 µg		\$225
PKCβ Antibody (Phospho-Thr ⁶⁴¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00654	\$69
			200 µg		\$311
PP2A-α Antibody, pAb, Rabbit	WB	Human	40 µg	A01226	\$50
			200 µg		\$225
Src Antibody (Ab-529), pAb, Rabbit	WB, IHC	Human	40 µg	A00449	\$50
			200 µg		\$225
Src Antibody (Phospho-Tyr ⁵²⁹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00358	\$69
			200 µg		\$311

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
α-catenin Antibody (Ab-177), pAb, Rabbit	WB, IHC	Human	40 µg	A01230	\$50
			200 µg		\$225
α-Catenin Antibody (Ab-641), pAb, Rabbit	WB	Human	40 µg	A00931	\$50
			200 µg		\$225
α-Catenin Antibody (Phospho-Ser ⁶⁴¹), pAb, Rabbit	WB	Human	40 µg	A00923	\$69
			200 µg		\$311
β-Catenin Antibody (Ab-37), pAb, Rabbit	WB, IHC, IF	Human	40 µg	A00582	\$50
			200 µg		\$225
β-Catenin Antibody (Ab-41, 45), pAb, Rabbit	WB	Human	40 µg	A00407	\$50
			200 µg		\$225
β-catenin Antibody (Ab-654), pAb, Rabbit	WB	Human	40 µg	A01229	\$50
			200 µg		\$225
β-Catenin Antibody (Phospho-Ser ³³), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00499	\$69
			200 µg		\$311
β-Catenin Antibody (Phospho-Ser ³⁷), pAb, Rabbit	WB, IHC	Human, mouse, rat	40 µg	A00500	\$69
			200 µg		\$311
β-Catenin Antibody (Phospho-Thr ⁴¹ , Ser ⁴⁵), pAb, Rabbit	WB	Human, mouse, rat	40 µg	A00417	\$69
			200 µg		\$311

*: This product has not been tested with reactivity to other species.
NA: Not Available.

Cytokine and Growth Factor Antibodies

Cytokines and growth factors are a category of signaling molecules extensively active in cellular communication. They are proteins, peptides, or glycoproteins. Cytokines and growth factors are of vital importance to the development and functioning of both the innate and adaptive immune response.

They are often secreted by immune cells that have encountered

a pathogen, thereby activating and recruiting further immune cells to enhance the system's response to the pathogen. Cytokines and growth factors are also involved in several developmental processes during embryogenesis. GenScript offers a wide selection of antibodies that can be used in your cytokine and growth factor research.

Product Overview:

Product Name	Applications	Species Reactivity	Quantity	Cat. No.	Price
CT-1 Antibody, mAb, Mouse	ELISA, WB	NA	40 µg	A01060	\$50
			200 µg		\$225
FGF-16 Antibody (8B6D8), mAb, Mouse	ELISA, WB	NA	40 µg	A01468	\$50
			200 µg		\$225
FGF-16 Antibody (8D6F2), mAb, Mouse	ELISA, WB	NA	40 µg	A01469	\$50
			200 µg		\$225
FGF-16 Antibody (9D6B4), mAb, Mouse	ELISA, WB	NA	40 µg	A01470	\$50
FGF-6 Antibody, mAb, Mouse	ELISA, WB	NA	40 µg	A01411	\$50
			200 µg		\$225
IL-1 beta Antibody (6B1G11), mAb, Mouse	ELISA, WB	NA	40 µg	A01485	\$50
			200 µg		\$225
IL-1 beta Antibody (7C10B9), mAb, Mouse	ELISA	NA	40 µg	A01487	\$50
			200 µg		\$225
IL-8 Antibody, mAb, Mouse	ELISA, WB	Human	100 µg	A00044	\$50
			500 µg		\$125
IL-8 Antibody, pAb, Goat	ELISA, WB	NA	40 µg	A00158	\$50
			200 µg		\$225
IP-10 Antibody, mAb, Mouse	ELISA, WB	NA	100 µg	A00163	\$50
			500 µg		\$125

Product Name	Applications	Species Reactivity	Quantity	Cat. No.	Price
M-CSF Antibody, mAb, Mouse	ELISA, WB	NA	100 µg	A00184	\$50
			500 µg		\$125
RANTES Antibody (1E11G5), mAb, Mouse	ELISA, WB	NA	40 µg	A01475	\$50
			200 µg		\$225
RANTES Antibody (2H8G2), mAb, Mouse	ELISA, WB	NA	40 µg	A01476	\$50
			200 µg		\$225
RANTES Antibody (3C2E3), mAb, Mouse	ELISA, WB	NA	40 µg	A01477	\$50
			200 µg		\$225
RANTES Antibody (3G2D10), mAb, Mouse	ELISA, WB	NA	40 µg	A01478	\$50
			200 µg		\$225
RANTES Antibody (4A10F2), mAb, Mouse	ELISA, WB	NA	40 µg	A01479	\$50
			200 µg		\$225
RANTES Antibody (4G8F2), mAb, Mouse	ELISA, WB	NA	40 µg	A01480	\$50
			200 µg		\$225
RANTES Antibody (4H2B3), mAb, Mouse	ELISA, WB	NA	40 µg	A01481	\$50
			200 µg		\$225
SCF Antibody, mAb, Mouse	ELISA, WB	NA	40 µg	A01061	\$50
			200 µg		\$225

*: This product has not been tested with reactivity to other species.
NA: Not Available.

GPCRs Antibodies

G protein-coupled receptors are found only in eukaryotes, including yeast, plants, choanoflagellates, and animals. G protein-coupled receptors (GPCRs) constitute a large protein family of transmembrane receptors that have the ability to sense molecules outside the cell and activate inside through signal transduction pathways and ultimately induce cellular responses. The ligands that bind and activate these receptors

range from light-sensitive compounds, odors, pheromones, to hormones and neurotransmitters, varying in size from small molecules to peptides and large proteins. G protein-coupled receptors are involved in many diseases, and serve as targets for almost half of all modern medicinal drugs. GenScript offers a wide selection of antibodies that can be used in your GPCRs research.

Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
ADP Antibody, pAb, Rabbit	ELISA,	NA	40 µl	A01316	\$85
			200 µl		\$400
cAMP Antibody, pAb, Rabbit	ELISA,	NA	40 µl	A00614	\$85
			200 µl		\$400
CCR3 Antibody, pAb, Rabbit	ELISA, IHC	NA	40 µg	A00977	\$50
			200 µg		\$225
CCR4 Antibody, pAb, Rabbit	ELISA, WB	Human	40 µg	A00978	\$50
			200 µg		\$225
CCR5 Antibody, pAb, Rabbit	ELISA, IHC	NA	40 µg	A00979	\$50
			200 µg		\$225
cGMP Antibody, pAb, Rabbit	ELISA	NA	40 µg	A00615	\$85
			200 µg		\$400
CXCR2 Antibody, pAb, Rabbit	ELISA, WB, IHC	NA	40 µg	A00993	\$50
			200 µg		\$225
CXCR4 Antibody, pAb, Rabbit	WB	Human, mouse*	40 µg	A00995	\$50
			200 µg		\$225
DARPP-32 Antibody, pAb, Rabbit	WB	Mouse, rat*	40 µg	A01424	\$50
			200 µg		\$225
GPR30 Antibody, pAb, Rabbit	ELISA, WB, IHC	Human	40 µg	A01074	\$50
			200 µg		\$225

*:This product has not been tasted with reactivity to other species.
NA:Not Available.

Stem Cell Antibodies

Stem cells, are in tissues or embryo, have the potential of differentiation. After inducing in vitro, stem cells can be cultured to tissues and organs, such as muscle, bone, and nerve. This will be an important role on curing cancers and other theriodic

diseases. And the researching on stem cells is the hot point in life science at all times. GenScript offers a wide selection of antibodies that can be used in your stem cell research.

Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
GAPDH Antibody [Biotin], pAb, Goat	WB	Human, mouse, rat, goat, rabbit, chicken, hamster, bovine, swine, fish, <i>E. coli</i>	40 µg	A00915	\$60
			200 µg		\$270
GAPDH Antibody [HRP], pAb, Goat	WB	Human, mouse, rat, goat, rabbit, chicken, hamster, bovine, swine, fish, <i>E. coli</i>	40 µg	A00192	\$60
			200 µg		\$270
GAPDH Antibody, mAb, Mouse	WB,IF	Human, cow, pig, rat, other mammals and avian	100 µg	A00084	\$259
GAPDH Antibody, pAb, Goat	ELISA, WB	Human, mouse, rat, goat, rabbit, chicken, hamster, bovine, swine, fish, <i>E. coli</i>	40 µg	A00191	\$50
			200 µg		\$225
GFAP Antibody, mAb, Mouse	WB, IF	Human, cow, pig, mouse, rat, all other mammalian and avian species	100 µg	A00085	\$259
GFAP Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, rat*	40 µg	A01309	\$50
			200 µg		\$225
NCAM Antibody, pAb, Rabbit	ELISA, WB	Rat, mouse*	40 µg	A01415	\$50
			200 µg		\$225
Nestin Antibody, pAb, Rabbit	ELISA, WB	Human*	40 µg	A01413	\$50
			200 µg		\$225
VEGFR2 Antibody (Ab-1175), pAb, Rabbit	IHC	Human	40 µg	A00352	\$50
			200 µg		\$225
VEGFR2 Antibody (Ab-1214), pAb, Rabbit	IHC	Human	40 µg	A00355	\$50
			200 µg		\$225
VEGFR2 Antibody (Ab-951), pAb, Rabbit	WB, IHC	Human	40 µg	A00357	\$50
			200 µg		\$225
VEGFR2 Antibody (Phospho-Tyr ¹¹⁷⁵), pAb, Rabbit	IHC, IF	Human, mouse, rat	40 µg	A00366	\$69
			200 µg		\$311
VEGFR2 Antibody (Phospho-Tyr ¹²¹⁴), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00367	\$69
			200 µg		\$311
VEGFR2 Antibody (Phospho-Tyr ⁹⁶¹), pAb, Rabbit	WB, IHC, IF	Human, mouse, rat	40 µg	A00370	\$69
			200 µg		\$311
Vimentin Antibody, pAb, Chicken	IF	Human, rat, mouse	100 µg	A00152	\$204
Vimentin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human, mouse*	40 µg	A01191	\$50
			200 µg		\$225
Vimentin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human*	40 µg	A01193	\$50
			200 µg		\$225
Vimentin Antibody, pAb, Rabbit	ELISA, WB, IHC	Human*	40 µg	A01189	\$50
			200 µg		\$225

*: This product has not been tasted with reactivity to other species.
NA: Not Available.

Control Antibodies/Loading Control Antibodies

Isotype Controls

The selection of an appropriate isotype control is a key for flow cytometry experiment. Isotype control antibodies that have no relevant specificity can distinguish non-specific "background" staining from specific antibody staining. Three main factors contribute to the levels of background staining associated with a primary antibody: a) binding to Fc receptors on target cells, b) non-specific protein interactions with cellular proteins, lipids, or carbohydrates, and c) cell autofluorescence. All of these

factors vary greatly depending on the target cell type and the isotype of the primary antibody. Therefore, in order to accurately determine the level of specific staining by the primary antibody, isotype controls need to be matched to the specific primary antibodies being used. GenScript offers a serial of isotype control antibodies that can be used in your research.

Product Overview:

Product	Quantity	Cat. No.	Price
Chicken IgY Control (Whole Molecule), Purified	4 mg	A01010	\$50
Goat IgG Control (Whole Molecule), Purified	4 mg	A01009	\$50
Human IgG Control [FITC] (Whole Molecule), Purified	0.5 mg	A01383	\$50
Human IgG Control(Whole Molecule), Purified	4 mg	A01006	\$50
Mouse IgG control (Whole Molecule), Purified	1 mg	A01007	\$50
Mouse IgG Control [FITC] (Whole Molecule), Purified	0.5 mg	A01381	\$50
Rabbit IgG Control (Whole Molecule), Purified	4 mg	A01008	\$50
Rabbit IgG Control [FITC] (Whole Molecule), Purified	0.5 mg	A01382	\$50

Loading Controls

Loading control proteins are known to be constitutively and stably expressed at high levels in almost all tissues and cells. Housekeeping proteins, such as GAPDH, tubulin, and actin represent some of the well known loading control proteins. GenScript offers a wide selection of polyclonal and monoclonal

loading control antibodies for GAPDH, α-tubulin, and β-actin for several species. HRP- and biotin-conjugated versions of these antibodies are also available. GenScript offers a serial of loading control antibodies that can be used in your research.

Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
THE™ Anti-α-Tubulin Monoclonal Antibody (Mouse)	ELISA, WB	NA	100 µg	A01410	\$225
THE™ Anti-β-Actin [HRP] Monoclonal Antibody (Mouse)	ELISA, WB	NA	40 µg 200 µg	A00730	\$74 \$333
THE™ Anti-β-Actin Monoclonal Antibody (Mouse)	ELISA, WB	Mouse, rabbit, chicken, human, hamster, cow, goat, fish, pig	40 µg 200 µg	A00702	\$69 \$311
GAPDH Antibody [Biotin], pAb, Goat	WB	Human, mouse, rat, goat, rabbit, chicken, hamster, bovine, swine, fish, <i>E. coli</i>	40 µg 200 µg	A00915	\$60 \$270
GAPDH Antibody [HRP], pAb, Goat	WB	Human, mouse, rat, goat, rabbit, chicken, hamster, bovine, swine, fish, <i>E. coli</i>	40 µg 200 µg	A00192	\$60 \$270
GAPDH Antibody, mAb, Mouse	WB, IF	Human, cow, pig, rat and other mammals, avian Human, mouse, rat, goat, rabbit, chicken,	100 µg	A00084	\$259
GAPDH Antibody, pAb, Goat	ELISA, WB	hamster, bovine, swine, fish, <i>E. coli</i>	40 µg 200 µg	A00191	\$50 \$225

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
α-Actin-1 Antibody, pAb, Rabbit	WB	NA	40 µg 200 µg	A00885	\$50 \$225
β-Tubulin III Antibody, pAb, Rabbit	ELISA, WB, IHC, FACS	Human, mouse, rat*	40 µg 200 µg	A01203	\$50 \$225

*: This product has not been tested with reactivity to other species.
NA: Not Available.

 For more information on Loading Control Antibodies, visit http://www.genscript.com/loading_control_antibody.html

Other Antibodies

Cholesterol Related Antibodies

Cholesterol is a lipidic and waxy steroid. It is an essential component of mammalian cell membranes where it is required to establish proper membrane permeability and fluidity. They are found in the cell membranes and transported in the blood plasma of all animals. Biosynthesis of cholesterol is directly regulated by the cholesterol levels present. The homeostatic mechanisms involved are only partly understood. When

cholesterol levels are high, the synthesis of cholesterol synthesis can be turned off. GenScript offers a wide variety of antibodies relevant to factors involved in cholesterol metabolism, including ACAT, LPL, Apo, ABCA1, and etc. GenScript offers a serial of cholesterol related antibodies that can be used in your research.

Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
ABCA1 Antibody, mAb, Mouse	ELISA, WB, IHC, IP	Human, mouse, chicken	100 µg	A00121	\$215
ACAT1 Antibody, mAb, Mouse	ELISA, WB	Human	100 µg	A00082	\$259
ACAT2 Antibody, mAb, Mouse	ELISA, WB	Human	100 µg	A00083	\$259
Albumin Antibody, pAb, Goat	ELISA, WB	Human	100 µg	A00127	\$110
AMPK Alpha-1 Chain Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00893	\$50 \$225
Apo AI Antibody, pAb, Goat	ELISA, WB	Human	100 µg	A00117	\$110
Apo AII Antibody, pAb, Goat	ELISA, WB	Human	100 µg	A00113	\$132
Apo AII Antibody, pAb, Rabbit	ELISA, WB	Human	100 µg	A00114	\$209
Apo AII Antibody, pAb, Sheep	ELISA, WB	Human	100 µg	A00115	\$132
Apo B-100/48 Antibody, pAb, Goat	ELISA, WB	Human	100 µg	A00118	\$110
Apo CI Antibody, pAb, Goat	ELISA, WB	Human	100 µg	A00119	\$165
Apo CI Antibody, pAb, Rabbit	ELISA, WB	Human	100 µg	A00120	\$209
Apo CII Antibody, pAb, Goat	ELISA, WB	Human	100 µg	A00122	\$165
Apo CII Antibody, pAb, Rabbit	ELISA, WB	Human	100 µg	A00123	\$209
Apo CIII Antibody, pAb, Goat	ELISA, WB	Human	100 µg	A00124	\$165
Apo CIII Antibody, pAb, Rabbit	ELISA, WB	Human	100 µg	A00125	\$209
Apo E Antibody, pAb, Goat	ELISA, WB	Human	100 µg	A00126	\$165
Human Apo (a) Antibody, pAb, Sheep	ELISA, WB	Human	100 µg	A00116	\$198
LPL Antibody, mAb, Mouse	ELISA, WB	Human, bovine	100 µg	A00090	\$259
Plasminogen Antibody, pAb, Sheep	ELISA, WB	Human	100 µg	A00128	\$132
SCD1 Antibody, mAb, Mouse	ELISA, WB, IHC, IP	Human, mouse	100 µg	A00093	\$259

NA: Not Available.

Infectious Diseases

Infectious diseases can be caused by viruses, bacteria, fungi, protozoa, and parasites. H1N1, one of the well known infectious virus, has become the hot research point. Several H1N1 antibodies have been developed and the newer antibodies for each virus are on researching. Influenza A (H1N1) virus, a subtype of influenza virus A, is the most common cause of influenza in humans. A strain of swine-origin H1N1 was responsible for the 2009 flu pandemic. On April 29th,2009, the influenza pandemic alert of H1N1 flu has been raised from phase 4 to phase 5. Subsequently on June 11th, 2009, the alert progressed to phase 6 as announced by WHO. In response to

Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
H1N1 HA antibody, pAb, Rabbit	WB	Influenze A virus (H1N1)	40 µg 200 µg	A01500	\$50 \$225
H1N1 HA Antibody, pAb, Rabbit	WB	Influenze A virus (H1N1)	40 µg 200 µg	A01556	\$50 \$225
H1N1 HA Antibody, pAb, Rabbit	WB	Influenze A virus (H1N1)	40 µg 200 µg	A01557	\$50 \$225
H1N1 NS2 antibody, pAb, Rabbit	WB	Influenze A virus (H1N1)	40 µg 200 µg	A01499	\$50 \$225
H1N1 NS1 Antibody, pAb, Rabbit	WB	Influenze A virus (H1N1)	40 µg 200 µg	A01551	\$50 \$225
H1N1 NP Antibody, pAb, Rabbit	WB	Influenze A virus (H1N1)	40 µg 200 µg	A01506	\$50 \$225
H1N1 PB2 Antibody, pAb, Rabbit	WB	Influenze A virus (H1N1)	40 µg 200 µg	A01464	\$50 \$225
H1N1 PB2 Antibody, pAb, Rabbit	WB	Influenze A virus (H1N1)	40 µg 200 µg	A01552	\$50 \$225
H1N1 PB1 antibody, pAb, Rabbit	WB	Influenze A virus (H1N1)	40 µg 200 µg	A01467	\$50 \$225
H1N1 PA antibody, pAb, Rabbit	WB	Influenze A virus (H1N1)	40 µg 200 µg	A01465	\$50 \$225

Yeast Antibodies

Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Lys20p, Lys21p Antibody, mAb, Mouse	WB, IF	Yeast	100 µg	A00102	\$204
Nab1p Antibody (methylated), mAb, Mouse	WB, IF, ICC	Yeast	100 µg	A00103	\$204
Nop1p Antibody, mAb, Mouse	WB, IF	Yeast	100 µg	A00105	\$204
Nop1p/Fibrillarin Antibody, mAb, Mouse	WB, IF	Human, rat, plant, <i>Drosophila</i> , <i>C. elegans</i> , <i>S. pombe</i> .	100 µg	A00104	\$204
Nop2p Antibody, mAb, Mouse	WB, IF	Yeast	100 µg	A00106	\$204
Nop5p, Nop6p Antibody, mAb, Mouse	IF, Immunoblotting	Yeast	100 µg	A00108	\$204
Nop5p/Nop58p Antibody, mAb, Mouse	WB, IF	Yeast	100 µg	A00107	\$204
Nsp1p Antibody, mAb, Mouse	WB, IF	Yeast	100 µg	A00109	\$204
Nsr1p Antibody, mAb, Mouse	WB, IF	Yeast	100 µg	A00110	\$204
Pab1p Antibody, mAb, Mouse	WB, IF	Yeast	100 µg	A00111	\$204
Pdi1p Antibody, mAb, Mouse	WB, IF	Yeast	100 µg	A00112	\$204
Pma1p Antibody, mAb, Mouse	WB, IF	Yeast	100 µg	A00101	\$204
Yeast Nuclear Pore Complex Antibody, mAb, Mouse	IF	NA	100 µg	A00100	\$204

this severe situation, GenScript will offer whatever resources available to help researchers contain H1N1 virus.

At GenScript, we produce high-quality bio-reagents in a flexible and timely manner, which include highly sensitive and specific antibodies, genes, peptides, and proteins. Specifically, high quality antibodies can be readily employed in the detection of influenza A virus through routine immunoassays (ELISA and Western blotting). Various epitope antibodies are also available for virus characterization.

Other Antibodies

Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
AKR1C2 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A01054	\$50 \$225
Annexin A8 Antibody, pAb, Rabbit	WB	NA	100 µg	A00703	\$98
ApoM Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00954	\$50 \$225
ATR Antibody (Ab-428), pAb, Rabbit	HC	Human	40 µg 200 µg	A01253	\$50 \$225
Beta-1,3-GalTase 2 Antibody, pAb, Rabbit	ELISA, WB	Human, bovine, goat	40 µg 200 µg	A00918	\$50 \$225
Catalase Antibody, pAb, Rabbit	ELISA, WB, IP	Human, mouse*	40 µg 200 µg	A01187	\$50 \$225
Cytochrome P450 2C23 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00891	\$50 \$225
Degenerating Myelin Antibody, mAb, Mouse	WB	Human	100 µg	A00096	\$259
Enterokinase Antibody, mAb, Mouse	ELISA, WB	NA	40 µg 200 µg	A00889	\$50 \$225
GnRHR Antibody, mAb, Mouse	WB	Human	100 µg	A00086	\$259
HRP Antibody (Horseradish Peroxidase), pAb, Rabbit	ELISA	NA	200 µg	A00619	\$50
IDO Antibody, pAb, Rabbit	WB	NA	40 µg 200 µg	A00887	\$50 \$225
IDO Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A01053	\$50 \$225
MCL1 Antibody, mAb, Mouse	ELISA, WB	Human	100 µg	A00092	\$259
MDM2 Antibody (Ab-166), pAb, Rabbit	IHC, IF	Human	40 µg 200 µg	A01267	\$50 \$225
Mitoferrin-1 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00916	\$50 \$225
Peroxiredoxin-6 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00962	\$50 \$225
PGK1 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00961	\$50 \$225
Piwi-like Protein 1 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00963	\$50 \$225
PKCε Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg	A00675	\$50
Protein A Antibody [HRP], pAb, Chicken	ELISA, WB	NA	40 µg 200 µg	A00729	\$75 \$333
Protein A Antibody, pAb, Chicken	ELISA, WB	NA	40 µg 200 µg	A00728	\$60 \$270
RAP1A and RAP1B Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A01047	\$50 \$225
Runx3 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00973	\$50 \$225
SRY Antibody, mAb, Mouse	ELISA, WB	Mouse	100 µg	A00094	\$259
Streptavidin Antibody, pAb, Rabbit	ELISA, WB, Dot blot	NA	10 mg	A00621	\$98
Superoxide Dismutase 1 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A01005	\$50 \$225
UL94 Antibody, mAb, Mouse	ELISA, WB	<i>Cytomegalovirus</i>	100 µg	A00095	\$259
V-ATPase Subunit A Antibody, pAb, Rabbit	WB	NA	200 µg	A00938	\$225
V-ATPase Subunit B 2 Antibody, pAb, Rabbit	ELISA, WB	NA	40 µg 200 µg	A00960	\$50 \$225
β-Galactosidase Antibody, pAb, Rabbit	ELISA, WB	NA	1 mg	A00633	\$125

*: This product has not been tested with reactivity to other species.
NA: Not Available.

Secondary Antibodies

In GenScript, secondary antibodies are purified from the serum of several hosts, such as goat, human, mouse,rabbit, and rat. They are available with specificity for whole Ig molecules or antibody fragments such as the Fc or Fab regions. The conjugated secondary antibodies

can be generally used for various of immunology analysis and protein assay. According to your source of the primary antibodies and conditions, freely choose the suitable secondary antibodies labled.

Product Overview:

Product	Applications	Species Reactivity	Quantity	Cat. No.	Price
Donkey Anti-Goat IgG Antibody (H&L) [HRP], pAb	ELISA, WB, Dot blot, IHC	Goat	1 mg	A00178	\$63
Goat Anti-Chicken IgY Antibody (H&L) [HRP], pAb	ELISA, WB, Dot blot, IHC	Chicken	1 mg	A00165	\$63
Goat Anti-Chicken IgY Antibody (H&L), pAb	ELISA, WB, Dot blot, IHC	Chicken	1 mg	A00132	\$49
Goat Anti-Human IgG Antibody (H&L) [HRP], pAb	ELISA, WB, Dot blot, IHC	Human	1 mg	A00166	\$60
Goat Anti-Mouse IgG Antibody (H&L) [FITC], pAb	ICC, FACS	Mouse	1 mg	A01318	\$60
Goat Anti-Mouse IgG Antibody (H&L) [HRP], pAb	ELISA, WB, Dot blot, IHC	Mouse	1 mg	A00160	\$60
Goat Anti-Rabbit IgG Antibody (H&L) [HRP], pAb	ELISA, WB, Dot blot, IHC	Rabbit	1 mg	A00098	\$60
Goat Anti-Rabbit IgG Antibody (H&L), pAb	ELISA, WB, Dot blot, IHC	Rabbit	1 mg	A00131	\$39
Goat Anti-Rat IgG (H&L) [HRP] Antibody, pAb	ELISA, WB, Dot blot, IHC	Rat	1 mg	A00167	\$60

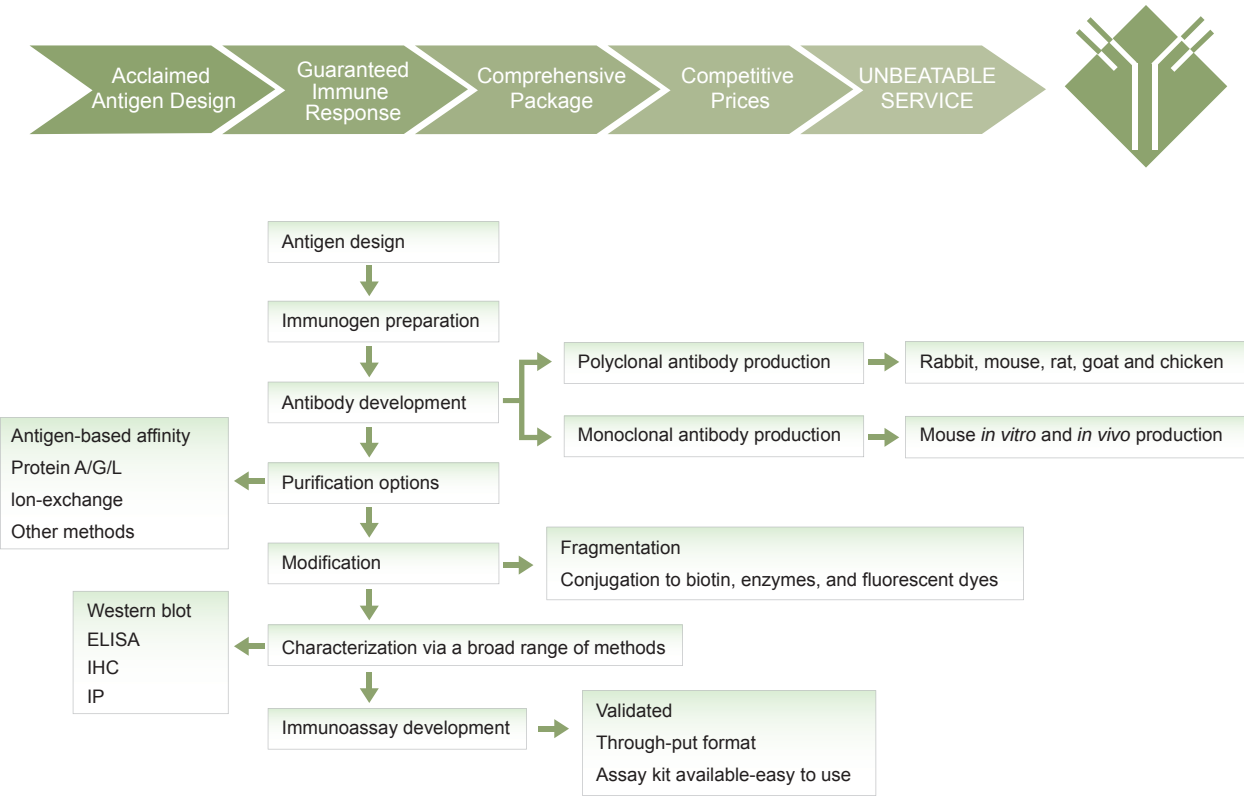
*: This product has not been tested with reactivity to other species.
NA: Not Available.

Custom Antibody Services

A reliable analysis of biological materials demands reliable antibodies and antibody services. These in turn demand industry leading technologies and experienced, professional staff. With state-of-the-art techniques and dedicated specialists, GenScript provides a one-stop solution to all its customers' antibody needs. Our services include recombinant protein expression, peptide design and synthesis, polyclonal and monoclonal antibody production, affinity purification, conjugation, fragmentation, and immunoassay development. Our animal facility is **AAALAC International accredited**.

We guarantee:

- For antibody product generated in any host using any qualified antigen, we guarantee ELISA titer **1:32,000** or better.
- For Monoclonal Antibody Development using any qualified antigen, we guarantee **two positive clones**.
- For both Polyclonal and Monoclonal antibody product generated using qualified protein antigen, we guarantee positive **Western blot** results.



Competitive Advantages

Feature	GenScript	Competitors
Advanced antigen design (OptimumAntigen™)	Yes	No
Nanotechnology for antigen preparation	Yes	No
T-Max™ adjuvant	Yes	No
Antibody lyophilization	Yes	No
Guaranteed immune response	Guaranteed Western (Western-GUARANTEED peptide polyclonal antibody package) Immune 1:32,000 ELISA titer (polyclonal antibody) Two ELISA positive clones (monoclonal antibody)	Rare
Prices	Polyclonal starts at \$250.00 Monoclonal starts at \$3,800.00	30% or higher

Advanced Antigen Design

GenScript's OptimumAntigen™ Antigen Design Tool combines the advanced algorithms with GenScript's time-tested expertise to provide peptide antigens that produce quality antibodies.

Nanotechnology for Antigen Preparation

Unlike those of many other antibody production companies, GenScript antigen mixtures are processed down to nanoparticles to maximize immunization efficiency and boost immune response.

T-Max™ Adjuvant

T-Max™ adjuvant is significantly more potent in inducing the immune reaction than the standard Freund's adjuvant, which ensures high specificity and high titer of the produced antibodies.

Antibody Lyophilization

Lyophilization extends the shelf life of your antibodies, eliminates leaking problems, loosens up stringent temperature requirement during shipping, and reduces the overall weight of antibodies to be shipped. All antisera or purified antibodies are provided as lyophilized form except special requirements.

Guaranteed Immune Response

We use Western-GUARANTEED peptide polyclonal antibody package to satisfy your need for quality antibodies that generate positive Western blot results.

For polyclonal antibody projects that use peptide antigens designed, synthesized, and conjugated by GenScript, we guarantee a final antibody product with an ELISA titer of 1:32,000 or better.

Competitive Prices

Our polyclonal antibody service starts as low as \$250.00. Our monoclonal antibody service starts as low as \$3,800.00. Our express polyclonal antibody service delivers antibody in 5–8 weeks.

Comprehensive Package

GenScript's one-stop antibody services are tailored to each customer's unique needs. For example, the process of antigen design by OptimumAntigen™ design tool and carrier protein selection are dictated in part by the customer's intended final application. In addition, we adjust the immunization dosage and number of booster immunizations according to the titer of initial antisera from each animal.

Quotations and Ordering

Quotations and orders may be placed by email, phone, or fax with either a formal PO (Purchase Order) or credit card. Please choose the most convenient ordering method.

	Quotation Form: Obtainable on our website
	Email: antibody@genscript.com
	Phone: 1-877-436-7274 (Toll-Free); 1-732-885-9188
	Fax: 1-732-210-0262; 1-732-885-5878
	Secured Web Server: https://www.genscript.com/ssl-bin/secure_data



Chapter 5 Peptides

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Overview

GenScript has a comprehensive collection of pharmaceutical peptides including β -amyloid peptides, blocking peptides and cosmetic peptides, and etc. We have a worldwide customer base in the cosmetic and pharmaceutical industries along with academic institutions. GenScript can provide a variety of reliable cGMP peptides capable of increasing the speed and accuracy of every study.

All GenScript's peptides come equipped with QC data, including HPLC and MS profiles. There are over 1,500 different peptides with several quantity scales available. All the peptides in our

catalog are offered at over 95% purity. Let GenScript's state-of-the-art peptide synthesis technology and experienced peptide chemists to be your partners toward your success. If your peptide is not listed in our catalog, GenScript can synthesize any quantity of cGMP or research grade peptides for you.

GenScript constantly launches new peptide products and updates its website. If prices and the other relevant information presented here differ with those shown on the website, please refer to the correct information on the website.

β -Amyloid Peptides

Advanced FlexPeptide™ technology is applied to synthesize the comprehensive array of human and rat β -amyloid peptide fragments.

β -amyloid is a peptide that forms amyloid plaques in the brains of Alzheimer's disease (AD) patients. β -amyloid peptide consists of 43 amino acids. It is formed via the enzymatic digestion of amyloid precursor protein (APP) by β -secretase and γ -secretase. It then forms insoluble fibrous aggregates,

causing amyloidosis and neurodegenerative diseases such as AD. Due to β -amyloid's involvement in the pathogenic process of AD, it has become one of the most investigated molecules in AD research projects.

Product Overview:

Product	Purity	Quantity	Cat. No.	Price
β -Amyloid (10-20)	>95%	0.5 mg	RP20174	\$27
β -Amyloid (10-35)	>95%	1 mg	RP20163	\$135
β -amyloid (1-11)	>95%	1 mg	RP20106	\$42
β -amyloid (11-22)	>95%	0.5 mg	RP20102	\$28
β -Amyloid (1-15)	>95%	1 mg	RP20141	\$68
β -amyloid (1-16)	>95%	0.5 mg	RP20103	\$25
β -Amyloid (1-17)	>95%	1 mg	RP20161	\$81
β -Amyloid (1-20)	>95%	1 mg	RP20162	\$90
β -Amyloid (12-20)	>95%	1mg	RP20175	\$45
β -amyloid (12-28)	>95%	0.5 mg	RP20104	\$49
β -Amyloid (1-28)	>95%	0.5 mg	RP10002	\$81
β -Amyloid (13-27)	>95%	1 mg	RP20170	\$72
β -amyloid (1-33)	>95%	0.5 mg	RP20101	\$147
β -Amyloid (1-34)	>95%	0.5 mg	RP20140	\$131
β -Amyloid (1-40)	>95%	0.5 mg	RP10004	\$114
β -Amyloid (1-40) Binding Peptide	>95%	1 mg	RP20166	\$90
β -Amyloid (1-40), rat	>95%	0.5 mg	RP10016	\$157
β -Amyloid (1-42), human	>95%	0.5 mg	RP10017	\$119
β -Amyloid (1-42), rat	>95%	0.5 mg	RP10013	\$176
β -Amyloid (15-21)	>95%	1 mg	RP20171	\$54
		5 mg		\$243
β -Amyloid (16-20)	>95%	1 mg	RP20172	\$45
		5 mg		\$203
β -Amyloid (16-23)	>95%	1 mg	RP20152	\$45
β -Amyloid (16-26)	>95%	1 mg	RP20154	\$59
β -Amyloid (17-24)	>95%	1 mg	RP20148	\$54

Product	Purity	Quantity	Cat. No.	Price
β -Amyloid (18-28)	>95%	1 mg	RP20105	\$42
β -Amyloid (1-9)	>95%	1 mg	RP20160	\$54
β -Amyloid (22-35)	>95%	1 mg	RP20130	\$86
		5 mg		\$380
β -Amyloid (22-40)	>95%	1 mg	RP20150	\$113
β -Amyloid (25-35)	>95%	1 mg	RP10008	\$52
		5 mg		\$209
β -Amyloid (29-40)	>95%	1 mg	RP20178	\$54
		5 mg		\$243
β -Amyloid (30-34)	>95%	1 mg	RP20143	\$59
β -Amyloid (31-35)	>95%	1 mg	RP20184	\$27
		5 mg		\$122
β -Amyloid (32-35)	>95%	1 mg	RP20177	\$27
		5 mg		\$122
β -Amyloid (33-40)	>95%	1 mg	RP20144	\$54
β -Amyloid (35-25)	>95%	0.5 mg	RP20185	\$54
		1 mg		\$441
β -Amyloid (35-42)	>95%	1 mg	RP20145	\$54
β -Amyloid (37-43)	>95%	1 mg	RP20186	\$54
β -Amyloid (4-10)	>95%	5 mg	RP20173	\$54
		1 mg		\$243
β -Amyloid (42-1)	>95%	0.5 mg	RP10034	\$285
β -Amyloid (7-22)	>95%	1 mg	RP20192	\$72
β -Amyloid A4 Protein Precursor (740-770), APP (C31)	>95%	1 mg	RP20165	\$189
				\$72
β -Amyloid Protein Precursor(657-676)	>95%	0.5 mg	RP20195	\$130
β -Amyloid Protein Precursor 770 (135-155)	>95%	1 mg	RP20196	\$587
		5 mg		

For more information on β -Amyloid Peptides, visit http://www.genscript.com/beta_amyloid_peptide.html

Blocking Peptides

Multiple applications for western blotting and immunohistochemistry assays

It is common for antibodies to bind to proteins other than the intended antigen. However, these non-specific bindings can be identified. The band that is specific to immunizing peptide can be determined via immunizing peptide blocking experiment.

GenScript provides a comprehensive collection of blocking peptides as negative controls for antibody customers. These controls include affinity-purified polyclonal and monoclonal

antibodies raised against peptide antigens. The binding of the antigen to the antibody may be reduced or blocked by pre-absorption with the blocking peptides. These peptides can be used to confirm that the observed signal is due to the antibody's interaction with target antigen instead an outcome of non-specific binding. We keep more than 200 blocking peptides in stock at all times for most of our phospho-specific and pan antibodies.

Product Overview:

Product	Quantity	Cat. No.	Price
4E-BP1 (Phospho-Thr ³⁶) pAb Blocking Peptide	100 μ g	RP19873	\$50
4E-BP1 (Phospho-Thr ⁴⁵) pAb Blocking Peptide	100 μ g	RP19875	\$50
AFX (Phospho-Ser ¹⁹⁷) pAb Blocking Peptide	100 μ g	RP19777	\$50
Akt (Phospho-Ser ⁴⁷³) pAb Blocking Peptide	100 μ g	RP19637	\$50

Product	Quantity	Cat. No.	Price
Akt (Phospho-Thr ³⁰⁸) pAb Blocking Peptide	100 µg	RP19639	\$50
Akt2 (Phospho-Ser ⁴⁷⁴) pAb Blocking Peptide	100 µg	RP19753	\$50
AMPK1/AMPK2 (Phospho-Ser ^{485/491}) pAb Blocking Peptide	100 µg	RP19829	\$50
ASK1 (Phospho-Ser ⁶³) pAb Blocking Peptide	100 µg	RP19837	\$50
ASK1 (Phospho-Ser ⁹⁶⁶) pAb Blocking Peptide	100 µg	RP19839	\$50
ATF2 (Phospho-Ser ^{112/94}) pAb Blocking Peptide	100 µg	RP19599	\$50
ATF2 (Phospho-Ser ^{62/44}) pAb Blocking Peptide	100 µg	RP19591	\$50
ATF2 (Phospho-Thr ^{69/51}) Antibody Blocking Peptide	100 µg	RP19593	\$50
ATF2 (Phospho-Thr ^{71/53}) pAb Blocking Peptide	100 µg	RP19595	\$50
ATF2 (Phospho-Thr ^{73/55}) pAb Blocking Peptide	100 µg	RP19597	\$50
ATF4 (Phospho-Ser ²⁴⁵) pAb Blocking Peptide	100 µg	RP19635	\$50
ATM (Phospho-Ser ¹⁹⁸¹) pAb Blocking Peptide	100 µg	RP19749	\$50
BAD (Phospho-Ser ¹¹²) pAb Blocking Peptide	100 µg	RP19663	\$50
BAD (Phospho-Ser ¹⁵⁵) pAb Blocking Peptide	100 µg	RP19665	\$50
BCL-2 (Phospho-Ser ⁷⁰) pAb Blocking Peptide	100 µg	RP19659	\$50
BCL-2 (Phospho-Thr ⁵⁶) pAb Blocking Peptide	100 µg	RP19657	\$50
BCL-XL (Phospho-Ser ⁶²) pAb Blocking Peptide	100 µg	RP19661	\$50
Bcr (Phospho-Tyr ¹⁷⁷) pAb Blocking Peptide	100 µg	RP19849	\$50
BIM (Ab-69) pAb Blocking Peptide	100 µg	RP19960	\$50
BIM (Phospho-Ser ⁶⁹) pAb Blocking Peptide	100 µg	RP19959	\$50
BRCA1 (Phospho-Ser ¹⁴²³) pAb Blocking Peptide	100 µg	RP19901	\$50
BRCA1 (Phospho-Ser ¹⁵²⁴) pAb Blocking Peptide	100 µg	RP19743	\$50
c-Abl (Phospho-Tyr ⁴¹²) pAb Blocking Peptide	100 µg	RP19755	\$50
CaMKII (Phospho-Thr ²⁸⁶) pAb Blocking Peptide	100 µg	RP19957	\$50
Caveolin-1 (Phospho-Tyr ¹⁴) pAb Blocking Peptide	100 µg	RP19705	\$50
CDC2 (Phospho-Thr ¹⁶¹) pAb Blocking Peptide	100 µg	RP19773	\$50
CDC2 (Phospho-Tyr ¹⁵) pAb Blocking Peptide	100 µg	RP19903	\$50
cdc25A (Phospho-Ser ⁷⁶) pAb Blocking Peptide	100 µg	RP19779	\$50
cdc25C (Phospho-Ser ²¹⁶) pAb Blocking Peptide	100 µg	RP19745	\$50
CDK2 (Ab-160) pAb Blocking Peptide	100 µg	RP19721	\$50
CDK2 (Phospho-Thr ¹⁶⁰) pAb Blocking Peptide	100 µg	RP19771	\$50
Chk1 (Phospho-Ser ³⁴⁵) pAb Blocking Peptide	100 µg	RP19747	\$50
Chk2 (Phospho-Ser ⁵¹⁶) pAb Blocking Peptide	100 µg	RP19791	\$50
Chk2 (Phospho-Thr ⁶⁸) pAb Blocking Peptide	100 µg	RP19651	\$50
c-Jun (Phospho-Ser ²⁴³) pAb Blocking Peptide	100 µg	RP19583	\$50
c-Jun (Phospho-Ser ⁷³) pAb Blocking Peptide	100 µg	RP19541	\$50
c-Jun (Phospho-Thr ²³⁹) pAb Blocking Peptide	100 µg	RP19581	\$50
c-Jun (Phospho-Thr ⁹¹) pAb Blocking Peptide	100 µg	RP19575	\$50
c-Jun (Phospho-Thr ⁹³) pAb Blocking Peptide	100 µg	RP19577	\$50
c-Jun (Phospho-Tyr ¹⁷⁰) pAb Blocking Peptide	100 µg	RP19579	\$50
cofilin (Phospho-Ser ³) pAb Blocking Peptide	100 µg	RP19781	\$50
Connexin 43 (phospho-Ser ³⁶⁷) pAb Blocking Peptide	100 µg	RP19925	\$50
Cortactin (Ab-421) pAb Blocking Peptide	100 µg	RP19937	\$50
Cortactin (Phospho-Tyr ⁴⁶⁶) pAb Blocking Peptide	100 µg	RP19941	\$50
CREB (Phospho-Ser ¹²⁹) pAb Blocking Peptide	100 µg	RP19943	\$50
CREB (Phospho-Ser ¹³³) pAb Blocking Peptide	100 µg	RP19633	\$50
DNA PKcs (Phospho-Thr ²⁶⁰⁹) pAb Blocking Peptide	100 µg	RP19823	\$50
EGFR (Phospho-Ser ¹⁰⁷⁰) pAb Blocking Peptide	100 µg	RP19687	\$50
EGFR (Phospho-Tyr ¹⁰⁹²) pAb Blocking Peptide	100 µg	RP19689	\$50
EGFR (phospho-Tyr ¹¹¹⁰) pAb Blocking Peptide	100 µg	RP19931	\$50
EGFR (Phospho-Tyr ¹¹⁹⁷) pAb Blocking Peptide	100 µg	RP19883	\$50
EGFR (Phospho-Tyr ⁸⁶⁹) pAb Blocking Peptide	100 µg	RP19885	\$50
EGFR (Phospho-Tyr ¹¹⁷²) pAb Blocking Peptide	100 µg	RP19869	\$50
eIF2α (Phospho-Ser ⁵¹) pAb Blocking Peptide	100 µg	RP19951	\$50
eIF4E (Phospho-Ser ²⁰⁹) pAb Blocking Peptide	100 µg	RP19893	\$50

Product	Quantity	Cat. No.	Price
Elk-1 (Phospho-Ser ³⁸³) pAb Blocking Peptide	100 µg	RP19543	\$50
Elk1 (Phospho-Ser ³⁸⁹) pAb Blocking Peptide	100 µg	RP19607	\$50
Elk1 (Phospho-Thr ⁴¹⁷) pAb Blocking Peptide	100 µg	RP19609	\$50
Estrogen Receptor-α (Phospho-Ser ¹⁰⁴) pAb Blocking Peptide	100 µg	RP19667	\$50
Estrogen Receptor-α (Phospho-Ser ¹⁰⁶) pAb Blocking Peptide	100 µg	RP19669	\$50
Estrogen Receptor-α (Phospho-Ser ¹¹⁸) pAb Blocking Peptide	100 µg	RP19671	\$50
Estrogen Receptor-α (Phospho-Ser ¹⁶⁷) pAb Blocking Peptide	100 µg	RP19673	\$50
Ezrin (Phospho-Thr ⁵⁶⁷) pAb Blocking Peptide	100 µg	RP19853	\$50
Ezrin(Phospho-Tyr ³⁵³) pAb Blocking Peptide	100 µg	RP19655	\$50
FAK (Phospho-Tyr ⁸⁶¹) pAb Blocking Peptide	100 µg	RP19647	\$50
FAK (Phospho-Tyr ⁹²⁵) pAb Blocking Peptide	100 µg	RP19751	\$50
FKHR (Phospho-Ser ²⁵⁶) pAb Blocking Peptide	100 µg	RP19739	\$50
FKHR (Phospho-Ser ³¹⁹) pAb Blocking Peptide	100 µg	RP19775	\$50
FKHRL1 (Phospho-Ser ²⁵³) pAb Blocking Peptide	100 µg	RP19805	\$50
G3BP-1 (Phospho-Ser ²³²) pAb Blocking Peptide	100 µg	RP19691	\$50
Gab1 (Phospho-Tyr ⁶²⁷) pAb Blocking Peptide	100 µg	RP19963	\$50
GATA1 (Phospho-Ser ¹⁴²) pAb Blocking Peptide	100 µg	RP19613	\$50
GATA1 (Phospho-Ser ³¹⁰) pAb Blocking Peptide	100 µg	RP19615	\$50
GSK3α (Phospho-Ser ²¹) pAb Blocking Peptide	100 µg	RP19549	\$50
GSK3β (Phospho-Ser ⁹) pAb Blocking Peptide	100 µg	RP19539	\$50
HDAC4 (Phospho-Ser ⁶³²) pAb Blocking Peptide	100 µg	RP19843	\$50
HDAC5 (Phospho-Ser ⁴⁹⁸) pAb Blocking Peptide	100 µg	RP19845	\$50
HDAC8 (Phospho-Ser ³⁹) pAb Blocking Peptide	100 µg	RP19761	\$50
HER2 (Phospho-Tyr ^{1221, 1222}) pAb Blocking Peptide	100 µg	RP19679	\$50
HER2 (Phospho-Tyr ¹²⁴⁸) pAb Blocking Peptide	100 µg	RP19685	\$50
HER2 (Phospho-Tyr ⁸⁷⁷) pAb Blocking Peptide	100 µg	RP19677	\$50
Histone H3.1 (Phospho-Ser ¹⁰) pAb Blocking Peptide	100 µg	RP19841	\$50
HSF1 (phospho-Ser ³⁰³) pAb Blocking Peptide	100 µg	RP19929	\$50
HSP27 (Phospho-Ser ¹⁵) pAb Blocking Peptide	100 µg	RP19819	\$50
HSP27 (Phospho-Ser ⁸²) pAb Blocking Peptide	100 µg	RP19911	\$50
HSP27(Phospho-Ser ⁷⁸) pAb Blocking Peptide	100 µg	RP19909	\$50
IGF-1R (Phospho-Tyr ¹¹⁶¹) pAb Blocking Peptide	100 µg	RP19699	\$50
IGF-1R (Phospho-Tyr ^{1165, Tyr¹¹⁶⁶}) pAb Blocking Peptide	100 µg	RP19701	\$50
IKK α (Phospho-Thr ²³) pAb Blocking Peptide	100 µg	RP19763	\$50
Integrin β3 (Phospho-Tyr ⁷⁷³) pAb Blocking Peptide	100 µg	RP19649	\$50
IRS-1 (Phospho-Ser ³⁰⁷) pAb Blocking Peptide	100 µg	RP19897	\$50
IRS-1 (Phospho-Ser ⁶³⁶) pAb Blocking Peptide	100 µg	RP19887	\$50
IRS-1 (Phospho-Ser ⁶³⁹) pAb Blocking Peptide	100 µg	RP19889	\$50
IκB-α (Phospho-Ser ^{32, 36}) pAb Blocking Peptide	100 µg	RP19799	\$50
IκB-α (Phospho-Tyr ⁴²) pAb Blocking Peptide	100 µg	RP19815	\$50
JAK1 (Phospho-Tyr ¹⁰²²) pAb Blocking Peptide	100 µg	RP19793	\$50
JAK2 (Phospho-Tyr ¹⁰⁰⁷) pAb Blocking Peptide	100 µg	RP19797	\$50
JAK2 (Phospho-Tyr ²²¹) pAb Blocking Peptide	100 µg	RP19795	\$50
JunB (Phospho-Ser ²⁵⁹) pAb Blocking Peptide	100 µg	RP19587	\$50
JunB (Phospho-Ser ⁷⁹) pAb Blocking Peptide	100 µg	RP19585	\$50
JunD (Phospho-Ser ²⁵⁵) pAb Blocking Peptide	100 µg	RP19589	\$50
Lck (Phospho-Tyr ³⁹³) pAb Blocking Peptide	100 µg	RP19785	\$50
LIMK1 (Phospho-Thr ⁵⁰⁸) pAb Blocking Peptide	100 µg	RP19757	\$50
LIMK2 (Phospho-Thr ⁵⁰⁵) pAb Blocking Peptide	100 µg	RP19759	\$50
MARCKS (Phospho-Ser ¹⁵⁸) pAb Blocking Peptide	100 µg	RP19965	\$50
MEF2A (Phospho-Thr ³¹²) pAb Blocking Peptide	100 µg	RP19611	\$50
MEK1 (Phospho-Ser ²²¹) pAb Blocking Peptide	100 µg	RP19813	\$50
MEK1 (Phospho-Thr ²⁹¹) pAb Blocking Peptide	100 µg	RP19967	\$50
MEK-2 (Phospho-Thr ³⁹⁴) pAb Blocking Peptide	100 µg	RP19551	\$50
Met (Phospho-Tyr ¹²³⁴) pAb Blocking Peptide	100 µg	RP19881	\$50

Product	Quantity	Cat. No.	Price
Met (Phospho-Tyr ¹³⁴⁹) pAb Blocking Peptide	100 µg	RP19899	\$50
MKK3 (Phospho-Ser ¹⁸⁹) pAb Blocking Peptide	100 µg	RP19787	\$50
MKK6 (Phospho-Ser ²⁰⁷) pAb Blocking Peptide	100 µg	RP19789	\$50
mTOR (Phospho-Ser ²⁴⁴⁸) pAb Blocking Peptide	100 µg	RP19871	\$50
Myc (Phospho-Ser ³⁷³) pAb Blocking Peptide	100 µg	RP19605	\$50
Myc (Phospho-Thr ³⁵⁸) pAb Blocking Peptide	100 µg	RP19603	\$50
Myc (Phospho-Thr ⁵⁸) pAb Blocking Peptide	100 µg	RP19601	\$50
MyoD (Phospho-Ser ²⁰⁰) pAb Blocking Peptide	100 µg	RP19681	\$50
NFκB-p100/p52 (Phospho-Ser ⁸⁶⁶) pAb Blocking Peptide	100 µg	RP19565	\$50
NFκB-p100/p52 (Ser ⁸⁷⁰) pAb Blocking Peptide	100 µg	RP19567	\$50
NFκB-p105/p50 (Phospho-Ser ³³⁷) pAb Blocking Peptide	100 µg	RP19569	\$50
NFκB-p105/p50 (Phospho-Ser ⁸⁹³) pAb Blocking Peptide	100 µg	RP19571	\$50
NFκB-p105/p50 (Phospho-Ser ⁹⁰⁷) pAb Blocking Peptide	100 µg	RP19573	\$50
NFκB-p105/p50 (Phospho-Ser ⁹³²) pAb Blocking Peptide	100 µg	RP19915	\$50
NFκB-p65 (Phospho-Ser ²⁷⁶) pAb Blocking Peptide	100 µg	RP19557	\$50
NFκB-p65 (phospho-Ser ³¹¹) pAb Blocking Peptide	100 µg	RP19927	\$50
NFκB-p65 (Phospho-Ser ⁴⁶⁸) pAb Blocking Peptide	100 µg	RP19561	\$50
NFκB-p65 (Phospho-Ser ⁶²⁹) pAb Blocking Peptide	100 µg	RP19863	\$50
NFκB-p65 (Phospho-Ser ⁶³⁶) pAb Blocking Peptide	100 µg	RP19563	\$50
NFκB-p65 (Phospho-Thr ²⁵⁴) pAb Blocking Peptide	100 µg	RP19555	\$50
NFκB-p65 (Phospho-Thr ⁴³⁵) pAb Blocking Peptide	100 µg	RP19559	\$50
p27Kip1 (Phospho-Thr ¹⁸⁷) pAb Blocking Peptide	100 µg	RP19857	\$50
P38 MAPK (Phospho-Thr ¹⁸⁰) pAb Blocking Peptide	100 µg	RP19917	\$50
P38 MAPK (Phospho-Tyr ¹⁸²) pAb Blocking Peptide	100 µg	RP19919	\$50
p44/42 MAP Kinase (Phospho-Thr ²⁰²) pAb Blocking Peptide	100 µg	RP19905	\$50
p44/42 MAP Kinase (Phospho-Tyr ²⁰⁴) pAb Blocking Peptide	100 µg	RP19907	\$50
p53 (Phospho-Ser ¹⁵) pAb Blocking Peptide	100 µg	RP19709	\$50
p53 (Phospho-Ser ³¹⁵) pAb Blocking Peptide	100 µg	RP19713	\$50
p53 (Phospho-Ser ⁴⁶) pAb Blocking Peptide	100 µg	RP19711	\$50
p56Dok-2 (Phospho-Tyr ²⁹⁹) pAb Blocking Peptide	100 µg	RP19949	\$50
p62Dok (phospho-Tyr ³⁶²) pAb Blocking Peptide	100 µg	RP19945	\$50
p62Dok (phospho-Tyr ³⁹⁸) pAb Blocking Peptide	100 µg	RP19947	\$50
p70 S6 Kinase (Ab-411) pAb Blocking Peptide	100 µg	RP19933	\$50
p70 S6 Kinase (Phospho-Ser ⁴²⁴) pAb Blocking Peptide	100 µg	RP19955	\$50
p70 S6 Kinase (Phospho-Thr ⁴²¹) pAb Blocking Peptide	100 µg	RP19921	\$50
p73 (Phospho-Tyr ⁶⁹) pAb Blocking Peptide	100 µg	RP19645	\$50
p95/NBS1 (Phospho-Ser ³⁴³) pAb Blocking Peptide	100 µg	RP19643	\$50
PAK1 (Phospho-Thr ²¹²) pAb Blocking Peptide	100 µg	RP19803	\$50
PAK1/PAK2/PAK3 (Phospho-Thr ⁴²³ /Thr ⁴⁰² /Thr ⁴²¹) pAb Blocking Peptide	100 µg	RP19821	\$50
Paxillin (Ab-118) pAb Blocking Peptide	100 µg	RP19729	\$50
Paxillin (Phospho-Tyr ¹¹⁸) pAb Blocking Peptide	100 µg	RP19703	\$50
Paxillin (Phospho-Tyr ³¹) pAb Blocking Peptide	100 µg	RP19851	\$50
PDK1 (Phospho-Ser ²⁴¹) pAb Blocking Peptide	100 µg	RP19545	\$50
PKCβ (Phospho-Thr ⁶⁴²) pAb Blocking Peptide	100 µg	RP19825	\$50
PKCδ (Phospho-Ser ⁶⁴⁵) pAb Blocking Peptide	100 µg	RP19969	\$50
PKCθ (Phospho-Ser ⁶⁷⁶) pAb Blocking Peptide	100 µg	RP19971	\$50
PKCθ (Phospho-Ser ⁶⁹⁵) pAb Blocking Peptide	100 µg	RP19827	\$50
PKD/PKCμ (Phospho-Ser ⁷³⁸) pAb Blocking Peptide	100 µg	RP19683	\$50
PKD/PKCμ (Phospho-Ser ⁹¹⁰) pAb Blocking Peptide	100 µg	RP19717	\$50
PKR (Phospho-Thr ⁴⁵¹) pAb Blocking Peptide	100 µg	RP19961	\$50
PKR (Phospho-Thr ⁴⁴⁶) pAb Blocking Peptide	100 µg	RP19953	\$50
PLCγ1 (Phospho-Tyr ⁷⁸³) pAb Blocking Peptide	100 µg	RP19719	\$50
PLCγ2 (Phospho-Tyr ⁷⁵³) pAb Blocking Peptide	100 µg	RP19831	\$50
Progesterone Receptor (Phospho-Ser ¹⁹⁰) pAb Blocking Peptide	100 µg	RP19675	\$50

Product	Quantity	Cat. No.	Price
PTEN (Phospho-Ser ³⁷⁰) pAb Blocking Peptide	100 µg	RP19653	\$50
PTEN (Phospho-Ser ³⁸⁰) pAb Blocking Peptide	100 µg	RP19553	\$50
PTEN (Phospho-Ser ³⁸⁰ , Thr ^{382, 383}) pAb Blocking Peptide	100 µg	RP19641	\$50
Pyk2 (Phospho-Tyr ⁴⁰²) pAb Blocking Peptide	100 µg	RP19861	\$50
Raf1 (Phospho-Ser ²⁵⁹) pAb Blocking Peptide	100 µg	RP19547	\$50
Rb (Ab-780) pAb Blocking Peptide	100 µg	RP19723	\$50
Rb (Ab-795) pAb Blocking Peptide	100 µg	RP19727	\$50
Rb (Ab-807) pAb Blocking Peptide	100 µg	RP19725	\$50
Rb (Phospho-Ser ⁷⁸⁰) pAb Blocking Peptide	100 µg	RP19769	\$50
Rb (Phospho-Ser ⁷⁹⁵) pAb Blocking Peptide	100 µg	RP19765	\$50
Rb (Phospho-Ser ⁸⁰⁷) pAb Blocking Peptide	100 µg	RP19767	\$50
RelB (Phospho-Ser ⁵⁷³) pAb Blocking Peptide	100 µg	RP19923	\$50
S6 Ribosomal Protein (Phospho- Ser ²³⁵) pAb Blocking Peptide	100 µg	RP19891	\$50
SAPK/JNK (Phospho-Thr ¹⁸³) pAb Blocking Peptide	100 µg	RP19913	\$50
SEK1/MKK4 (Phospho-Ser ⁸⁰) pAb Blocking Peptide	100 µg	RP19835	\$50
SEK1/MKK4 (Phospho-Thr ²⁶¹) pAb Blocking Peptide	100 µg	RP19833	\$50
SMC1 (Phospho-Ser ⁹⁵⁷) pAb Blocking Peptide	100 µg	RP19847	\$50
Src (Phospho-Tyr ⁵²⁹) pAb Blocking Peptide	100 µg	RP19801	\$50
Src (Phospho-Tyr ⁴¹⁸) pAb Blocking Peptide	100 µg	RP19707	\$50
STAT1 (Phospho-Ser ⁷²⁷) pAb Blocking Peptide	100 µg	RP19817	\$50
STAT1 (Phospho-Tyr ⁷⁰¹) pAb Blocking Peptide	100 µg	RP19617	\$50
STAT3 (Phospho-Ser ⁷²⁷) pAb Blocking Peptide	100 µg	RP19621	\$50
STAT3 (Phospho-Tyr ⁷⁰⁵) pAb Blocking Peptide	100 µg	RP19619	\$50
STAT4 (Phospho-Tyr ⁶⁹³) pAb Blocking Peptide	100 µg	RP19623	\$50
STAT5A (Phospho-Ser ⁷⁸⁰) pAb Blocking Peptide	100 µg	RP19627	\$50
STAT5A (Phospho-Tyr ⁶⁹⁴) pAb Blocking Peptide	100 µg	RP19625	\$50
STAT6 (Phospho-Thr ⁶⁴⁵) pAb Blocking Peptide	100 µg	RP19631	\$50
STAT6 (Phospho-Tyr ⁶⁴¹) pAb Blocking Peptide	100 µg	RP19629	\$50
Stathmin 1 (Phospho-Ser ¹⁶) pAb Blocking Peptide	100 µg	RP19895	\$50
Stathmin 1 (Phospho-Ser ²⁴) pAb Blocking Peptide	100 µg	RP19877	\$50
Stathmin 1 (Phospho-Ser ³⁸) pAb Blocking Peptide	100 µg	RP19879	\$50
Tau (Ab-235) pAb Blocking Peptide	100 µg	RP19706	\$50
Tau (Ab-422) pAb Blocking Peptide	100 µg	RP19935	\$50
Tau (Phospho-Ser ²¹⁴) pAb Blocking Peptide	100 µg	RP19731	\$50
Tau (Phospho-Ser ²³⁵) pAb Blocking Peptide	100 µg	RP19726	\$50
Tau (Phospho-Ser ²⁶²) pAb Blocking Peptide	100 µg	RP19735	\$50
Tau (Phospho-Ser ⁴⁰⁴) pAb Blocking Peptide	100 µg	RP19737	\$50
Tau (Phospho-Thr ²³¹) pAb Blocking Peptide	100 µg	RP19733	\$50
VASP (Phospho-Ser ¹⁵⁷) pAb Blocking Peptide	100 µg	RP19859	\$50
VASP (Phospho-Ser ²³⁹) pAb Blocking Peptide	100 µg	RP19807	\$50
Vav (Phospho-Tyr ¹⁷⁴) pAb Blocking Peptide	100 µg	RP19783	\$50
VEGFR2 (Phospho-Tyr ¹¹⁷⁵) pAb Blocking Peptide	100 µg	RP19693	\$50
VEGFR2 (Phospho-Tyr ¹²¹⁴) pAb Blocking Peptide	100 µg	RP19695	\$50
VEGFR2 (Phospho-Tyr ⁹⁵¹) pAb Blocking Peptide	100 µg	RP19697	\$50
Zap-70 (Phospho-Tyr ³¹⁹) pAb Blocking Peptide	100 µg	RP19809	\$50
Zap-70 (Phospho-Tyr ⁴⁹³) pAb Blocking Peptide	100 µg	RP19811	\$50
β-Catenin (Phospho-Ser ³³) pAb Blocking Peptide	100 µg	RP19865	\$50
β-Catenin (Phospho-Ser ³⁷) pAb Blocking Peptide	100 µg	RP19867	\$50
β-Catenin (Phospho-Thr ⁴¹ , Ser ⁴⁵) pAb Blocking Peptide	100 µg	RP19741	\$50

Cosmetic Peptides

Research- and cGMP-grade cosmetic peptides for extra specification

- **Quantity**—Batch size ranges from mg to kg with purity level up to 98%. Purity levels can be tailored to each customer's needs.
- **Modification**—We provide an array of peptide modification options that can improve the skin permeating, anti-aging, and anti-wrinkle properties of each peptide.
- **Consistency**—Batch-to-batch consistency is guaranteed.
- **Applicability**—GenScript provides custom and generic research- and cGMP-grade cosmetic peptides for a range of pharmaceutical and biotechnology applications.
- **Content**—Our cosmetic peptides are sold by net peptide weight as determined by amino acid analysis and/or UV.
- **Price**—GenScript provides large scale production of cosmetic peptides at highly competitive price.

The intrinsic properties of peptides, particularly their ability to mediate key biological functions, have attracted the most technologically advanced companies in cosmetic industry. Cosmetic peptides are the new weapon in the battle against skin aging and the latest addition to the ranks of cosmeceuticals and dermataceuticals being developed by skin care companies all over the world. By employing the most advanced peptide synthesis techniques and instrumentations available, GenScript can manufacture research- and cGMP-grade cosmetic peptides to each client's exact specifications. GenScript's technical expertise and stringent QC, together with our dedication to innovation and quality, ensure a strong partnership for success.

Product Overview:

Product	Cat. No.	Price
Acetyl Hexapeptide-3	RP20002	Quote
GHK-Cu	RP20125	Quote
PAL-GHK	RP20128	Quote
Palmitoyl Pentapeptide	RP20045	Quote
Palmitoyl Tetrapeptide-3	RP20100	Quote

Pharmaceuticals

Product Overview:

Product	Cas No.	Purity	Quantity	Cat.No.	Price
BKC	8001-54-5	≥99%	100 g	C01683	\$70
Cetrimide	8044-71-1	≥99%	100 g	C01684	\$70
DIMESNA	16208-51-8	≥99%	100 g	C01687	\$200
MESNA	19767-45-4	≥99%	100 g	C01686	\$112

Peptide Building Blocks

Product Overview:

Product	Cas No.	Purity	Quantity	Cat.No.	Price
2-Br-Z-Osu	128611-93-8	NA	100 g	C01514	\$98
			500 g		\$426
2-Cl-(Trt)-Cl resin	42074-68-0	≥97%	25 g	C01515	\$131
			100 g		\$435
			500 g		\$1,744
2-Cl-Z-Osu	65853-65-8	NA	100 g	C01516	\$62
			500 g		\$185
3-Tritylmercapto Propionicacid	27144-18-9	≥98%	25 g	C01517	\$57
			100 g		\$170
			500 g		\$680

Product	Cas No.	Purity	Quantity	Cat.No.	Price
9-fluorenylmethanol	24324-17-2	≥98%	500 g	C01518	\$132
BOP-Reagent	56602-33-6	≥99%	100 g	C01519	\$110
			500 g		\$330
CDI	530-62-1	≥97%	100 g	C01520	\$50
			500 g		\$150
DMAP	1122-58-3	NA	100 g	C01521	\$56
			500 g		\$154
DMT-Cl	40615-36-9	≥98.2%	100 g	C01522	\$83
			500 g		\$250
EDC·HCl	25952-53-8	≥98.5%	100 g	C01523	\$160
			500 g		\$480
Fmoc-Acp-OH	88574-06-5	≥98%	25 g	C01524	\$67
			100 g		\$200
Fmoc-D-Ala-OH	79990-15-1	≥98%	5 g	C01525	\$29
			25 g		\$53
			100 g		\$160
Fmoc-D-Arg(pbf)-OH	187618-60-6	≥97%	5 g	C01526	\$2,200
			25 g		\$733
			100 g		\$244
Fmoc-D-Asn(Trt)-OH	180570-71-2	≥98%	5 g	C01527	\$2,070
			25 g		\$690
			100 g		\$230
Fmoc-D-Asp(OtBu)-OH	112883-39-3	≥98%	5 g	C01528	\$230
			25 g		\$690
			100 g		\$2,070
Fmoc-D-Cys(Trt)-OH	167015-11-4	≥98%	5 g	C01529	\$220
			25 g		\$660
			100 g		\$1,990
Fmoc-D-Gln(Trt)-OH	200623-62-7	≥98%	5 g	C01530	\$185
			25 g		\$553
			100 g		\$1,658
Fmoc-D-Glu(OtBu)-OH	104091-08-9	≥98%	5 g	C01531	\$109
			25 g		\$327
			100 g		\$980
Fmoc-D-His(Trt)-OH	135610-90-1	≥98%	5 g	C01532	\$218
			25 g		\$654
			100 g		\$1,962
Fmoc-D-Ile-OH	143688-83-9	≥98.5%	5 g	C01533	\$480
			25 g		\$1,920
			100 g		\$5,760
Fmoc-D-Leu-OH	114360-54-2	≥98%	5 g	C01534	\$75
			25 g		\$223
			100 g		\$668
Fmoc-D-Lys(Boc)-OH	92122-45-7	≥98%	5 g	C01535	\$93
			25 g		\$277
			100 g		\$830
Fmoc-D-Met-OH	112883-40-6	≥98%	5 g	C01536	\$66
			25 g		\$198
			100 g		\$594
Fmoc-D-Phe-OH	86123-10-6	≥98%	5 g	C01537	\$48
			25 g		\$143
			100 g		\$428
Fmoc-D-Pro-OH	101555-62-8	≥98%	5 g	C01538	\$68
			25 g		\$202
			100 g		\$606

Product	Cas No.	Purity	Quantity	Cat.No.	Price
Fmoc-D-Ser(tBu)-OH	128107-47-1	≥98%	5 g	C01539	\$212
			25 g		\$635
			100 g		\$1,904
Fmoc-D-Thr(tBu)-OH	138797-71-4	≥98%	5 g	C01540	\$235
			25 g		\$700
			100 g		\$2,100
Fmoc-D-Trp(Boc)-OH	163619-04-3	≥95%	5 g	C01541	\$230
			25 g		\$695
			100 g		\$2,075
Fmoc-D-Trp-OH	86123-11-7	≥98%	5 g	C01542	\$55
			25 g		\$160
			100 g		\$480
Fmoc-D-Tyr(tBu)-OH	118488-18-9	≥98%	5 g	C01543	\$363
			25 g		\$1,090
			100 g		\$3,268
Fmoc-D-Val-OH	84624-17-9	≥98%	5 g	C01544	\$66
			25 g		\$195
			100 g		\$590
Fmoc-L-Ala-OH	35661-39-3	≥98%	100 g	C01545	\$87
			500 g		\$261
Fmoc-L-Arg(pbf)-OH	154445-77-9	≥98%	25 g	C01546	\$230
			100 g		\$690
			500 g		\$1,790
Fmoc-L-Asn(Trt)-OH	132388-59-1	≥98%	25 g	C01547	\$140
			100 g		\$290
			500 g		\$801
Fmoc-L-Asp(OtBu)-OH	71989-14-5	≥98%	25 g	C01548	\$104
			100 g		\$312
			500 g		\$938
Fmoc-L-Cys(Trt)-OH	103213-32-7	≥98%	25 g	C01549	\$70
			100 g		\$210
			500 g		\$632
Fmoc-L-Gln(Trt)-OH	132327-80-1	≥98%	25 g	C01550	\$102
			500 g		\$920
Fmoc-L-Glu(OtBu)-OH	71989-18-9	≥98.5%	25 g	C01551	\$89
			100 g		\$268
			500 g		\$938
Fmoc-L-Gly-OH	29022-11-5	≥98%	100 g	C01588	\$70
			500 g		\$210
Fmoc-L-His(Trt)-OH	109425-51-6	≥98%	25 g	C01552	\$43
			100 g		\$153
			500 g		\$687
Fmoc-L-Ile-OH	71989-23-6	≥98%	100 g	C01553	\$75
			500 g		\$261
Fmoc-L-Leu-OH	35661-60-0	≥98.5%	25 g	C01554	\$35
			100 g		\$75
			500 g		\$261
Fmoc-L-Lys(Boc)-OH	71989-26-9	≥98%	25 g	C01555	\$60
			100 g		\$180
			500 g		\$632
Fmoc-L-Met-OH	71989-28-1	≥98%	100 g	C01556	\$75
			500 g		\$261
Fmoc-L-Phe-OH	35661-40-6	≥98%	100 g	C01557	\$75
			500 g		\$261

Product	Cas No.	Purity	Quantity	Cat.No.	Price
Fmoc-L-Pro-OH	71989-31-6	≥98%	100 g	C01558	\$75
			500 g		\$261
Fmoc-L-Ser(tBu)-OH	71989-33-8	≥98%	25 g	C01559	\$89
			100 g		\$270
			500 g		\$938
Fmoc-L-Thr(tBu)-OH	71989-35-0	≥98%	25 g	C01560	\$88
			100 g		\$263
			500 g		\$920
Fmoc-L-Trp(Boc)-OH	143824-78-6	≥95%	25 g	C01561	\$188
			100 g		\$565
			500 g		\$1,980
Fmoc-L-Tyr(tBu)-OH	71989-38-3	≥98%	25 g	C01562	\$92
			100 g		\$276
			500 g		\$969
Fmoc-L-Val-OH	68858-20-8	≥98%	100 g	C01563	\$75
			500 g		\$261
Fmoc-Orn(Boc)-OH	109425-55-0	≥98%	25 g	C01564	\$263
			100 g		\$788
			500 g		\$2,760
Fmoc-Osu	82911-69-1	≥98%	100 g	C01565	\$55
			500 g		\$134
HATU	148893-10-1	NA	25 g	C01566	\$97
			100 g		\$364
			500 g		\$1,574
HBTU	94790-37-1	≥98%	100 g	C01567	\$80
			500 g		\$280
HOAT	39968-33-7	≥99%	25 g	C01568	\$79
			100 g		\$296
			500 g		\$1,283
HOSu	6066-82-6	≥99%	100 g	C01570	\$56
			500 g		\$150
Merrifield resin	55844-94-5	NA	25 g	C01571	\$51
			100 g		\$152
			500 g		\$535
PyBOP	128625-52-5	≥97%	25 g	C01572	\$55
			100 g		\$114
			500 g		\$495
Rink Amide AM resin	NA	NA	25 g	C01573	\$340
			100 g		\$1,184
Rink Amide Linker	145069-56-3	≥99%	25 g	C01574	\$230
			100 g		\$692
Tert- Butyldimethylsiyl chloride	18162-48-6	≥98%	500 g	C01575	\$140
Wang resin	201058-08-4	NA	25 g	C01576	\$63
			100 g		\$233
			500 g		\$1,010

NA: Not available

Other Peptides

Peptides with reliable quality and low cost are supplied by GenScript for your research.

Product Overview:

Product	Purity	Quantity	Cat. No.	Price
[Arg ³ , *I]-CTX IV (3-14)	>95%	1 mg	RP17304	\$83
[Arg ⁹]-Vasotocin	>95%	1 mg	RP10061	\$33
[Asp ³⁷¹]-Tyrosinase (369-377), human	>95%	1 mg	RP10270	\$52
[D-Ala ²]-Deltorphin I	>95%	1 mg	RP10433	\$24
		5 mg		\$81
[Des-Arg ⁹]-Bradykinin	>95%	5 mg	RP13625	\$33
[Des-Asp ¹]-Angiotensin I, human	>95%	5 mg	RP13717	\$38
[D-Phe ⁷]-Bradykinin	>95%	1 mg	RP11140	\$38
[D-Trp ¹¹]-Neurotensin	>95%	5 mg	RP11887	\$95
[Gln ⁴]-Neurotensin	>95%	1 mg	RP10447	\$24
[Gln ^{8,9}]-Helodermin	>95%	0.5 mg	RP10633	\$90
[Gln ⁸]-C517 (LH-RH), chicken	>95%	1 mg	RP10689	\$24
[Hyp ³]-Bradykinin	>95%	0.5 mg	RP13626	\$24
[Ile ⁷]-Angiotensin III	>95%	5 mg	RP11267	\$24
[Leu ⁵]-Enkephalin	>95%	25 mg	RP10884	\$29
[Leu ⁵]-Enkephalin, amide	>95%	5 mg	RP10885	\$24
[Lys ⁸]-Vasopressin	>95%	1 mg	RP10069	\$24
[Met ¹²⁸]-HA (126-138)	>95%	1 mg	RP20241	\$73
[Met ⁵]-Enkephalin	>95%	25 mg	RP10886	\$52
[Met ⁵]-Enkephalin, amide	>95%	10 mg	RP10887	\$24
[Nle ¹¹]-Substance P	>95%	1 mg	RP10207	\$24
[Nle ⁴ , D-Phe ⁷]-α-Melanocyte Stimulating Hormone (MSH), amide	>95%	1 mg	RP10658	\$67
		5 mg		\$266
[Pro ³]-Substance P	>95%	0.5 mg	RP10208	\$24
[Sar ¹ , Ile ⁸]-Angiotensin II	>95%	5 mg	RP13720	\$38
[Sar ¹]-Angiotensin II	>95%	5 mg	RP11270	\$24
[Sar ⁹]-Substance P	>95%	1 mg	RP10210	\$33
[Ser ¹⁴⁰]-Myelin Proteolipid Protein (139-151) (depalmitoylated), bovine, dog, human, mouse, rat	>95%	0.5 mg	RP10550	\$43
[Thr ¹ -Ala ² -Pro ³ -Arg ⁴]-Atrial Natriuretic Peptide (ANP) (Urodilatin), human	>95%	0.5 mg	RP11926	\$114
[Tyr ¹]-MIF-1	>95%	5 mg	RP13116	\$57
[Tyr ¹]-Somatostatin	>95%	1 mg	RP10244	\$43
[Tyr ¹]-W-MIF-1	>95%	5 mg	RP10477	\$57
[Tyr ¹¹]-Somatostatin	>95%	1 mg	RP10242	\$43
[Tyr ⁴]-Bombesin	>95%	1 mg	RP11164	\$33
		5 mg		\$86
[Tyr ^{6,12} , Lys ⁷]-Polyphemusin II	>95%	0.1 mg	RP10057	\$90
[Tyr ⁸]-Bradykinin	>95%	5 mg	RP11151	\$33
[Tyr ⁸]-Substance P	>95%	1 mg	RP10213	\$24
[Val ⁵]-Angiotensin II, human	>95%	5 mg	RP11273	\$24
Eleodoisin	>95%	1 mg	RP10456	\$24
2B-(A)	>95%	1 mg	RP11391	\$105
		5 mg		\$418
2B-(S)	>95%	1 mg	RP11392	\$105
		5 mg		\$418
A-779	>95%	1 mg	RP11249	\$43
Abl Cytosolic Substrate	>95%	0.5 mg	RP19985	\$45
Abz-FR-K (Dnp)-P-OH	>95%	1 mg	RP20115	\$63
Achatina Cardio-Excitatory Peptide-1 (ACEP-1)	>95%	1 mg	RP20304	\$46

Product	Purity	Quantity	Cat. No.	Price
Adipokinetic Hormone (AKH) II, Locusta migratoria	>95%	1 mg	RP17300	\$74
Adipokinetic Hormone (AKH) II, Schistocera gregaria	>95%	1 mg	RP13768	\$48
Adipokinetic Hormone (AKH), Heliothis Zea	>95%	1 mg	RP11316	\$24
Adipokinetic Hormone (AKH), locust	>95%	1 mg	RP11319	\$33
Adrenocorticotropic Hormone (ACTH) (1-10), human	>95%	5 mg	RP11299	\$57
Adrenocorticotropic Hormone (ACTH) (1-13), human	>95%	0.5 mg	RP11300	\$29
Adrenocorticotropic Hormone (ACTH) (1-14)	>95%	1 mg	RP12908	\$48
Adrenocorticotropic Hormone (ACTH) (1-16), human	>95%	0.5 mg	RP11301	\$33
Adrenocorticotropic Hormone (ACTH) (1-17), human	>95%	0.5 mg	RP11302	\$33
Adrenocorticotropic Hormone (ACTH) (1-24), human	>95%	0.5 mg	RP11303	\$29
Adrenocorticotropic Hormone (ACTH) (1-39), human	>95%	0.5 mg	RP11304	\$90
Adrenocorticotropic Hormone (ACTH) (1-39), rat	>95%	0.5 mg	RP11305	\$90
Adrenocorticotropic Hormone (ACTH) (1-4)	>95%	5 mg	RP12907	\$57
		1 mg		\$95
Adrenocorticotropic Hormone (ACTH) (18-39), human	>95%	5 mg	RP11307	\$380
		1 mg		\$95
Adrenocorticotropic Hormone (ACTH) (4-10), human	>95%	5 mg	RP11308	\$57
Adrenomedullin (AM) (13-52), human	>95%	0.5 mg	RP11291	\$214
Adrenomedullin (AM) (1-52), human	>95%	0.5 mg	RP11288	\$261
Adrenomedullin (AM) (22-52), human	>95%	0.5 mg	RP11293	\$90
Adrenomedullin (AM), canine	>95%	0.1 mg	RP13758	\$171
Adrenorphin	>95%	1 mg	RP10421	\$29
		5 mg		\$109
Agouti Related Protein AGRP (87-132), human	>95%	0.1 mg	RP12906	\$356
		0.5 mg		\$1,425
Ala-Gly-Asp-Val	>95%	5 mg	RP10827	\$24
Ala-Leu-Ala-Leu	>95%	1 mg	RP10128	\$24
Ala-Lys-Arg-Arg-Arg-Leu-Ser-Ser-Leu-Arg-Ala	>95%	1 mg	RP11604	\$62
		5 mg		\$238
Allatostatin I	>95%	1 mg	RP11281	\$33
		5 mg		\$119
Alytesin	>95%	1 mg	RP10451	\$24
		5 mg		\$95
Amylin (8-37), amide, rat	>95%	0.5 mg	RP11277	\$81
Amylin (8-37), human	>95%	0.5 mg	RP11276	\$128
Amylin, amide, rat	>95%	0.5 mg	RP11280	\$109
Amylin, feline	>95%	0.5 mg	RP13732	\$238
Amylin, human, amide	>95%	0.5 mg	RP11278	\$138
Angiotensin Converting Enzyme Inhibitor	>95%	5 mg	RP11321	\$24
Angiotensin I Converting Enzyme Inhibitor ([Des-Pro ²]-Bradykinin)	>95%	5 mg	RP11324	\$24
Angiotensin I Converting Enzyme Inhibitor (Bradykinin Potentiator C)	>95%	5 mg	RP11323	\$24
Angiotensin I, human	>95%	5 mg	RP11251	\$24
Angiotensin I-Converting Enzyme Inhibitor (Bradykinin Potentiator B)	>95%	5 mg	RP11322	\$24
Angiotensin II (1-4), human	>95%	5 mg	RP11252	\$24
Angiotensin II (3-8), human	>95%	5 mg	RP11253	\$24
Angiotensin II (4-8), human	>95%	5 mg	RP11254	\$24
Angiotensin II, human	>95%	5 mg	RP11257	\$24
Angiotensin III, human	>95%	5 mg	RP11259	\$24
Angiotensin, canine, rat	>95%	5 mg	RP11260	\$38
Angiotensinogen (1-14), human	>95%	1 mg	RP10253	\$24
		5 mg		\$71
Anorexigenic Peptide	>95%	1 mg	RP10556	\$24
Antagonist G	>95%	0.5 mg	RP10174	\$71

Product	Purity	Quantity	Cat. No.	Price
Antiestrogen	>95%	0.5 mg	RP10558	\$52
Apamin	>95%	0.5 mg	RP11002	\$62
Apelin-13, bovine, human	>95%	0.5 mg	RP11221	\$38
Apelin-36, bovine	>95%	0.1 mg	RP13713	\$95
Apelin-36, human	>95%	0.1 mg	RP13714	\$95
Arg-Arg-Arg-Asp-Asp-Asp-Ser-Asp-Asp-Asp	>95%	0.5 mg	RP10318	\$52
Arg-Gly-Asp-Cys	>95%	5 mg	RP10860	\$24
Arg-Gly-Asp-Ser	>95%	5 mg	RP10861	\$24
Arg-Gly-Asp-Val	>95%	5 mg	RP10864	\$24
Arg-Gly-Glu-Ser	>95%	0.5 mg	RP13448	\$33
Arg-Gly-Tyr-Ser-Leu-Gly	>95%	1 mg	RP10266	\$24
		5 mg		\$81
Arg-Lys-Arg-Ser-Arg-Ala-Glu	>95%	1 mg	RP10268	\$24
		5 mg		\$81
Arg-Phe, amide	>95%	5 mg	RP13655	\$25
Arg-Phe-Asp-Ser	>95%	0.5 mg	RP13449	\$38
Arg-Ser-Arg	>95%	1 mg	RP10614	\$24
		5 mg		\$48
Asp-Asp-Asp-Asp-Asp	>95%	1 mg	RP10575	\$38
Asp-Asp-Asp-Asp-Asp-Asp	>95%	1 mg	RP10576	\$38
Astressin	>95%	0.5 mg	RP10980	\$119
Atrial Natriuretic Peptide (ANP) (1-11), rat	>95%	1 mg	RP11190	\$38
Atrial Natriuretic Peptide (ANP) (1-28), human, porcine	>95%	0.5 mg	RP11927	\$95
Atrial Natriuretic Peptide (ANP) (1-28), rat	>95%	0.5 mg	RP11195	\$114
Atrial Natriuretic Peptide (ANP) (1-30), frog	>95%	0.5 mg	RP11191	\$128
Atrial Natriuretic Peptide (ANP), eel	>95%	0.2 mg	RP13544	\$143
Atriopeptin I, rat	>95%	0.5 mg	RP11201	\$81
Atriopeptin II, rat	>95%	0.5 mg	RP11202	\$119
Atriopeptin III, rat	>95%	0.5 mg	RP11203	\$109
Auriculin A	>95%	0.5 mg	RP11204	\$109
Auriculin B	>95%	0.5 mg	RP11205	\$109
Autocamtide 2	>95%	1 mg	RP10271	\$48
Bactenecin, bovine	>95%	1 mg	RP11235	\$57
		5 mg		\$228
BAM-12P	>95%	1 mg	RP10422	\$48
BAM-22P	>95%	1 mg	RP10424	\$109
Binin(102-120), <i>Strongylocentrotus Purpuratus</i>	>95%	0.5 mg	RP19984	\$60
BINP	>95%	1 mg	RP17301	\$96
Bombesin	>95%	1 mg	RP11157	\$24
		5 mg		\$90
Bradykinin	>95%	10 mg	RP11129	\$24
Bradykinin (1-3)	>95%	5 mg	RP11130	\$24
Bradykinin (1-5)	>95%	5 mg	RP11131	\$24
		25 mg		\$95
Bradykinin (1-6)	>95%	5 mg	RP11132	\$24
		25 mg		\$95
Bradykinin (1-7)	>95%	5 mg	RP11133	\$24
		25 mg		\$95
Bradykinin (2-9)	>95%	5 mg	RP11135	\$24
		25 mg		\$95
Brain Natriuretic Peptide (BNP) (1-32), human	>95%	0.5 mg	RP11119	\$109
Brain Natriuretic Peptide (BNP) (1-32), rat	>95%	0.5 mg	RP11121	\$109

Product	Purity	Quantity	Cat. No.	Price
Buccalin	>95%	1 mg	RP10452	\$29
Bursin	>95%	5 mg	RP10564	\$57
Calcineurin Autoinhibitory Peptide	>95%	0.5 mg	RP10272	\$67
Calcineurin Substrate	>95%	1 mg	RP10139	\$90
Calcitonin (8-32), salmon	>95%	0.2 mg	RP13606	\$138
Calcitonin Gene Related Peptide (CGRP) (8-37), human	>95%	0.5 mg	RP11089	\$90
Calcitonin Gene Related Peptide (CGRP) (8-37), rat	>95%	0.5 mg	RP11090	\$90
Calcitonin Gene Related Peptide (CGRP) II, rat	>95%	0.5 mg	RP11092	\$119
Calcitonin Gene Related Peptide (CGRP), chicken	>95%	0.5 mg	RP11093	\$119
Calcitonin Gene Related Peptide (CGRP), rat	>95%	0.5 mg	RP11095	\$128
Calcitonin, chicken	>95%	0.5 mg	RP11096	\$71
Calcitonin, eel	>95%	1 mg	RP12786	\$109
		5 mg		\$451
Calcitonin, rat	>95%	0.5 mg	RP11098	\$71
Calcitonin, salmon	>95%	0.5 mg	RP11099	\$57
Calmodulin Binding Peptide 1	>95%	0.02 mg	RP13247	\$143
Cardiotoxin Analog (CTX) IV (6-12)	>95%	1 mg	RP17303	\$58
Casein Kinase Substrates 1	>95%	1 mg	RP20212	\$256
		5 mg		\$1,150
Catch-Relaxing Peptide (CARP)	>95%	1 mg	RP13656	\$133
CAYHRLRRC	>95%	1 mg	RP20098	\$54
CDK5 Substrate (Phospho-Thr ³)	>95%	0.5 mg	RP20107	\$53
Cecropin B	>95%	0.5 mg	RP11225	\$138
CEF1, Influenza Matrix Protein M1 (58 - 66)	>95%	0.5 mg	RP19978	\$50
CEF10	>95%	1 mg	RP11772	\$71
CEF11	>95%	1 mg	RP11773	\$71
CEF20	>95%	1 mg	RP11781	\$71
CEF21	>95%	1 mg	RP11782	\$71
CEF25	>95%	1 mg	RP11786	\$48
CEF3	>95%	1 mg	RP11765	\$48
CEF4	>95%	1 mg	RP11766	\$48
CEF6	>95%	1 mg	RP11768	\$48
Cerebellin	>95%	1 mg	RP10453	\$95
Chemerin-9 (149-157)	>95%	1 mg	RP20248	\$50
Chromostatin, bovine	>95%	0.5 mg	RP10400	\$90
c-Kit Ligand (KL)-1	>95%	1 mg	RP11739	\$62
		5 mg		\$247
CKS-17	>95%	0.5 mg	RP10281	\$43
c-Myc Peptide	>95%	1 mg	RP11731	\$40
		5 mg		\$76
Colivelin	>95%	1 mg	RP20167	\$153
Collagen-Binding Fragment	>95%	1 mg	RP10828	\$43
Connective Tissue Activating Peptide (CTAP)	>95%	0.5 mg	RP10218	\$52
Constrained Octapeptide	>95%	1 mg	RP20222	\$88
		5 mg		\$394
Corazonin	>95%	1 mg	RP10454	\$33
		5 mg		\$128
Corticotropin Releasing Factor, bovine	>95%	0.5 mg	RP10981	\$109
Corticotropin Releasing Factor, human, rat	>95%	0.5 mg	RP10982	\$109
Corticotropin Releasing Factor, ovine	>95%	0.5 mg	RP10983	\$109
Cortistatin 14, human, rat	>95%	0.5 mg	RP10972	\$67
C-Peptide (3-33), human	>95%	0.5 mg	RP11116	\$109

Product	Purity	Quantity	Cat. No.	Price
C-Peptide, dog	>95%	0.5 mg	RP11115	\$109
CREBtide	>95%	1 mg	RP10142	\$90
		5 mg		\$361
Crosstide	>95%	5 mg	RP20200	\$198
Crustacean Cardioactive Peptide (CCAP)	>95%	1 mg	RP10572	\$43
Crystalline	>95%	1 mg	RP10425	\$25
C-telopeptide	>95%	0.5 mg	RP10566	\$43
C-Type Natriuretic Peptide (CNP) (1-22), human	>95%	0.5 mg	RP11110	\$86
C-Type Natriuretic Peptide (CNP), chicken	>95%	0.5 mg	RP11112	\$81
C-Type Natriuretic Peptide (CNP), frog	>95%	0.2 mg	RP13529	\$67
Cyclic peptide 1	>95%	1 mg	RP20270	\$160
Cyclic peptide 2	>95%	1 mg	RP20264	\$160
Cys Containing β-Amyloid (1-40) Binding Peptide	>95%	1 mg	RP20168	\$153
Cystatin C (40-54)	>95%	1 mg	RP20238	\$84
Dermaseptin	>95%	0.5 mg	RP11228	\$157
Dermenkephalin	>95%	1 mg	RP10881	\$24
		5 mg		\$81
Dermorphin	>95%	5 mg	RP10427	\$95
Dermorphin Analog	>95%	0.5 mg	RP13522	\$24
DYKDDDDK Peptide	>95%	1 mg	RP10586	\$34
EGF Receptor Substrate 2 (Phospho-Tyr ⁵)	>95%	0.5 mg	RP20109	\$67
EGFR (988-993) (Phospho-Tyr ⁵)	>95%	0.5 mg	RP20108	\$74
Egg Laying Hormone, aplysia	>95%	0.5 mg	RP10583	\$90
Eledoisin Related Peptide	>95%	5 mg	RP10457	\$38
Endokinin A/B	>95%	1 mg	RP20302	\$42
		5 mg		\$125
Endomorphin-1	>95%	5 mg	RP10925	\$43
Endomorphin-2	>95%	5 mg	RP10926	\$43
Endonuclease Antigenic Site	>95%	1 mg	RP17306	\$149
Endothelin 1, human, porcine	>95%	0.25 mg	RP12758	\$143
		1 mg		\$361
Enfuvirtide (T-20)	>95%	1 mg	RP17307	\$165
Enterostatin (Ala-Pro-Gly-Pro-Arg), human, mouse, rat	>95%	0.5 mg	RP13462	\$57
Enterostatin (Val-Pro-Asp-Pro-Arg)	>95%	5 mg	RP10629	\$29
Epithelial Membrane Protein (EMP)-1	>95%	0.1 mg	RP13257	\$105
Eptifibatide	>95%	10 mg	RP17308	\$165
Erktide	>95%	1 mg	RP20197	\$68
Erythromycin Resistance Peptide	>95%	5 mg	RP17309	\$149
Exendin (9-39)	>95%	0.5 mg	RP10872	\$138
Exendin-3	>95%	0.5 mg	RP10873	\$147
Exendin-4	>95%	0.5 mg	RP10874	\$147
		100 mg		\$3,200
Fibrinogen Binding Inhibitor Peptide	>95%	1 mg	RP10832	\$48
		5 mg		\$176
Fibrinogen-Binding Peptide	>95%	5 mg	RP17310	\$50
Fibrinolysis Inhibiting Factor	>95%	1 mg	RP10834	\$24
		5 mg		\$76
Fibrinopeptide A, human	>95%	1 mg	RP10835	\$43
		5 mg		\$171
Fibrinopeptide B, human	>95%	1 mg	RP10836	\$48
		5 mg		\$176

Product	Purity	Quantity	Cat. No.	Price
Fibronectin CS1 Peptide	>95%	1 mg	RP10838	\$24
		5 mg		\$62
Fibronectin Fragment (Arg-Gly-Asp)	>95%	0.5 mg	RP13450	\$25
Fibronectin-Binding Protein	>95%	0.5 mg	RP10840	\$81
Flagelin22	>95%	0.5 mg	RP19986	\$70
FYQLALT	>95%	1 mg	RP20117	\$24
Galanin Receptor Ligand M35	>95%	0.5 mg	RP10808	\$71
Galanin Receptor Ligand M40	>95%	0.5 mg	RP10809	\$90
Galanin, bovine	>95%	0.2 mg	RP13446	\$119
Galanin, human	>95%	0.5 mg	RP10801	\$90
Galanin, porcine	>95%	0.5 mg	RP10802	\$109
Galanin, rat	>95%	1 mg	RP10803	\$157
Galanin-Like Peptide, human	>95%	0.1 mg	RP13435	\$152
Galanin-Like Peptide, rat	>95%	0.1 mg	RP13439	\$190
Galantide	>95%	0.5 mg	RP10804	\$71
Gastric Inhibitory Peptide (GIP), human	>95%	0.5 mg	RP10795	\$90
Gastrin Releasing Peptide, porcine	>95%	0.5 mg	RP10792	\$81
Gastrin, chicken	>95%	0.5 mg	RP10793	\$157
Gastrin-1, human	>95%	0.5 mg	RP12740	\$57
Gastrin-1, rat	>95%	0.5 mg	RP12742	\$57
Gastrin-Releasing Peptide, human	>95%	0.5 mg	RP10791	\$90
Ghrelin, canine	>95%	0.1 mg	RP13416	\$171
Ghrelin, human	>95%	0.1 mg	RP13422	\$90
		1 mg		\$190
	>95%	5 mg	RP10781	\$760
		0.5 mg		\$90
Glucagon (1-29), Human, Hydrochloride Salt	>95%	0.5 mg	RP10772	\$90
Glucagon (19-29), human	>95%	1 mg	RP10770	\$24
		5 mg		\$95
Glucagon-Like Peptide (GLP) I (7-36), amide, human	>95%	0.5 mg	RP10773	\$90
Glucagon-Like Peptide (GLP) I (7-37)	>95%	0.5 mg	RP12738	\$119
Glucagon-Like Peptide (GLP) II, human	>95%	0.5 mg	RP10769	\$90
Glucagon-Like Peptide (GLP) II, rat	>95%	0.5 mg	RP10775	\$138
Glucagon-Like Peptide (GLP) II-Arg, human	>95%	0.5 mg	RP10774	\$109
Gly-Ala-Tyr	>95%	5 mg	RP10589	\$24
Gly-Arg-Gly-Asp-Asn-Pro	>95%	1 mg	RP10847	\$24
		1 mg		\$24
Gly-Arg-Gly-Asp-Ser	>95%	5 mg	RP10848	\$81
		0.5 mg		\$39
Glycoprotein (276-286)	>95%	0.5 mg	RP19983	\$39
Gly-Gln	>95%	5 mg	RP13263	\$25
Gly-Phe-Arg	>95%	20 mg	RP10590	\$29
Gly-Pro-Arg	>95%	5 mg	RP10843	\$29
		1 mg		\$23
GnRH-I	>95%	5 mg	RP20303	\$58
		25 mg		\$227
		1 mg		\$54
GP (33-41)	>95%	1 mg	RP20091	\$54
GP (92-101)	>95%	1 mg	RP20243	\$56
gp100 (476-485)	>95%	1 mg	RP20203	\$72
gp38	>95%	1 mg	RP11942	\$190
		5 mg		\$760
Granuliberin R	>95%	1 mg	RP10459	\$33
Group A Streptococcal C5a Peptidase (SCPA)	>95%	1 mg	RP10716	\$29
		5 mg		\$109

Product	Purity	Quantity	Cat. No.	Price
Growth Hormone Releasing Factor (GHRF) (1-44), human	>95%	0.5 mg	RP10734	\$143
Growth Hormone Releasing Factor (GHRF), bovine	>95%	0.5 mg	RP10735	\$128
Growth Hormone Releasing Factor (GHRF), mouse	>95%	0.5 mg	RP10736	\$157
Growth Hormone Releasing Factor (GHRF), ovine	>95%	0.5 mg	RP10737	\$109
Growth Hormone Releasing Factor (GHRF), rat	>95%	0.5 mg	RP10739	\$157
Growth Hormone Releasing Factor (GHRF)-2	>95%	0.5 mg	RP10740	\$24
Growth Hormone Releasing Factor (GHRF)-6	>95%	1 mg	RP10741	\$48
Guanylin, mouse, rat	>95%	0.5 mg	RP10722	\$138
HA Peptide	>95%	1 mg	RP11735	\$38
		5 mg		\$152
HABP52	>95%	1 mg	RP20246	\$90
Growth Hormone Releasing Factor (GHRF)-2	>95%	0.5 mg	RP10740	\$24
Growth Hormone Releasing Factor (GHRF)-6	>95%	1 mg	RP10741	\$48
Guanylin, mouse, rat	>95%	0.5 mg	RP10722	\$138
HA Peptide	>95%	1 mg	RP11735	\$38
		5 mg		\$152
HABP52	>95%	1 mg	RP20246	\$90
HEL (46-61)	>95%	1 mg	RP11736	\$114
Helodermin	>95%	0.5 mg	RP10591	\$90
Helospectin I	>95%	1 mg	RP10592	\$223
Helospectin II	>95%	1 mg	RP10593	\$223
Hemopressin, human	>95%	0.2 mg	RP20204	\$77
Hemopressin, rat, mouse, pig	>95%	0.2 mg	RP20205	\$77
Hemorphin-7	>95%	1 mg	RP17312	\$66
Heparin Binding Peptide	>95%	0.5 mg	RP13456	\$67
Hepatitis B Virus Core (128-140)	>95%	1 mg	RP17313	\$99
Hepatitis C Virus NS3 Protease Inhibitor 1	>95%	1 mg	RP11670	\$171
		5 mg		\$513
HER2/neu (654-662) GP2	>95%	1 mg	RP17314	\$99
Hexa-His	>95%	1 mg	RP11737	\$71
		5 mg		\$190
Hexarelin	>95%	1 mg	RP17315	\$165
Histatin 5	>95%	0.5 mg	RP11240	\$90
HIV Integrase Protein Inhibitor(1)	>95%	1 mg	RP17317	\$66
HIV p17 Gag (77-85)	>95%	1 mg	RP17316	\$99
HIV Protease Substrate	>95%	1 mg	RP17318	\$66
HIV-I TAT Protein Peptide	>95%	0.5 mg	RP10129	\$57
Hsp70-derived octapeptide	>95%	1 mg	RP20220	\$45
		5 mg		\$203
HSV-gB2 (498-505)	>95%	0.5 mg	RP19992	\$27
Human Follicular Gonadotropin-Releasing Peptide (Hf-GRP)	>95%	1 mg	RP17319	\$99
Human Papillomavirus (HPV) E7 protein (49 - 57)	>95%	1 mg	RP20249	\$45
HYAb Dby	>95%	1 mg	RP20229	\$84
HYDb Smcy	>95%	1 mg	RP20233	\$50
HYDb Uty	>95%	1 mg	RP20231	\$50
HYDk Smcy	>95%	1 mg	RP20232	\$45
HYEK Dby	>95%	1 mg	RP20230	\$84
Indolicidin	>95%	0.5 mg	RP11242	\$71
Influenza Hemagglutinin (307-319)	>95%	1 mg	RP20087	\$72
Interleukin (IL)-6 Receptor	>95%	1 mg	RP11738	\$38
		5 mg		\$152
Interphotoreceptor Retinoid-Binding Protein (1-20)	>95%	1 mg	RP11841	\$95
		5 mg		\$380

Product	Purity	Quantity	Cat. No.	Price
IRL-1038	>95%	0.2 mg	RP13496	\$76
IRL-1620	>95%	0.2 mg	RP13497	\$33
Joining Peptide, rat	>95%	0.2 mg	RP13668	\$105
Kallikrein Inhibitor	>95%	1 mg	RP10161	\$24
		5 mg		\$90
Kassinin	>95%	1 mg	RP10461	\$24
Katacalcin	>95%	0.5 mg	RP11102	\$62
Kemptide	>95%	1 mg	RP10287	\$25
Kemptide (Phospho-Ser ⁵)	>95%	0.5 mg	RP20111	\$44
Ketolide Resistance Peptide	>95%	1 mg	RP17320	\$33
Kinetensin	>95%	1 mg	RP10462	\$24
KLKL5KLK	>95%	1 mg	RP20088	\$24
Leucokinin I	>95%	1 mg	RP10692	\$24
Leucokinin VIII	>95%	1 mg	RP10698	\$24
Leucomyosuppressin (LMS)	>95%	0.5 mg	RP13326	\$38
Leuprolide Acetate	>95%	10 mg	RP17321	\$59
Levitide	>95%	1 mg	RP10463	\$24
Litorin	>95%	1 mg	RP10464	\$29
LL37 (Human)	>95%	0.2 mg	RP13323	\$171
L-Selectin	>95%	1 mg	RP11740	\$62
		5 mg		\$247
LSKL, Inhibitor of Thrombospondin (TSP-1)	>95%	1 mg	RP19990	\$45
Luteinizing Hormone Releasing Hormone (LH-RH), human	>95%	5 mg	RP11937	\$33
Luteinizing Hormone Releasing Hormone (LH-RH), salmon	>95%	1 mg	RP10673	\$24
Lys-Arg-Gln-His-Pro-Gly	>95%	0.5 mg	RP12972	\$29
Lys-Gly-Asp-Ser	>95%	1 mg	RP10855	\$24
		5 mg		\$76
Magainin 1	>95%	0.5 mg	RP12814	\$76
Magainin 2	>95%	0.5 mg	RP11232	\$76
MAGE-3 (271-279), human	>95%	1 mg	RP10641	\$38
Malantide	>95%	1 mg	RP10289	\$57
MAPKAPK2 peptide	>95%	1 mg	RP20289	\$77
Mas17	>95%	1 mg	RP10601	\$24
Mas7	>95%	1 mg	RP10602	\$24
Mas8	>95%	0.5 mg	RP13314	\$48
Mast Cell Degranulating Peptide	>95%	0.5 mg	RP10663	\$119
Mastoparan	>95%	1 mg	RP10465	\$29
Mastoparan X	>95%	1 mg	RP10466	\$29
Mca-SEVNLDAEFR-K(Dnp)-RR, amide	>95%	0.5 mg	RP20114	\$75
Melanin Concentrating Hormone, rat	>95%	0.5 mg	RP10661	\$109
Melanin Concentrating Hormone, salmon	>95%	0.5 mg	RP10662	\$109
Melanostatin, frog	>95%	0.5 mg	RP10467	\$119
Melanotan (MT)-II	>95%	5 mg	RP17323	\$83
Melanotan (MT)-II, Locusta migratoria	>95%	1 mg	RP17305	\$231
Melittin	>95%	0.5 mg	RP10290	\$90
		1 mg		\$157
Men 10376	>95%	0.5 mg	RP10468	\$24
Minigastrin	>95%	0.2 mg	RP13431	\$76
Moth Cytochrome C (MCC) (88-103)	>95%	1 mg	RP12808	\$76
		5 mg		\$304
Motilin, canine	>95%	0.5 mg	RP10526	\$62
Motilin, human, porcine	>95%	0.5 mg	RP10527	\$62

Product	Purity	Quantity	Cat. No.	Price
MUC5AC	>95%	1 mg	RP20290	\$72
Mycobacterium tuberculosis Protein Ag85A	>95%	1 mg	RP20202	\$90
Myelin Basic Protein (MBP) (1-11), human	>95%	1 mg	RP11629	\$143
Myelin Basic Protein (MBP) (68-82), guinea pig	>95%	1 mg	RP10605	\$62
Myelin Basic Protein (MBP) (87-99), human	>95%	1 mg	RP11641	\$143
Myelin Basic Protein (MBP) (synthetic)	>95%	1 mg	RP10314	\$38
		5 mg		\$152
Myelin Oligodendrocyte Glycoprotein Peptide (35-55), mouse, rat	>95%	1 mg	RP10245	\$143
Myomodulin	>95%	1 mg	RP10606	\$24
		5 mg		\$90
N-Acetyl-Asp-Glu	>95%	5 mg	RP10553	\$24
N-Acetyl-Ser-Asp-Lys-Pro	>95%	5 mg	RP10555	\$24
N-Acetyl-α-Endorphin	>95%	1 mg	RP11333	\$48
Naltriben (NTB)	>95%	0.5 mg	RP10221	\$52
N-Boc-Phe-Leu-Phe-Leu-Phe	>95%	5 mg	RP12950	\$29
N-Cbz-Asp-Glu-Val-Asp-AMC	>95%	5 mg	RP11730	\$143
N-Cbz-Phe-Arg-AMC	>95%	10 mg	RP11385	\$76
N-Cbz-Pro-D-Leu	>95%	10 mg	RP13118	\$25
N-Dansyl-Tyr-Val-Gly	>95%	25 mg	RP10144	\$33
Neurokinin A (4-10)	>95%	1 mg	RP10516	\$33
Neurokinin B	>95%	1 mg	RP10517	\$48
Neuromedin B	>95%	1 mg	RP10507	\$38
Neuromedin C	>95%	1 mg	RP10508	\$38
Neuromedin N	>95%	1 mg	RP10509	\$25
Neuromedin U, rat	>95%	1 mg	RP10510	\$124
		5 mg		\$494
Neuropeptide F (NPF)	>95%	1 mg	RP11610	\$105
		5 mg		\$418
Neuropeptide FF Morphine Modulating Neuropeptide	>95%	1 mg	RP10470	\$24
Neuropeptide K, porcine	>95%	0.5 mg	RP10471	\$119
Neuropeptide Y (13-36), human	>95%	0.5 mg	RP10488	\$57
	>95%	5 mg		\$380
Neuropeptide Y (3-36), human	>95%	0.5 mg	RP10491	\$81
Neuropeptide Y, human	>95%	0.5 mg	RP10492	\$71
Neurotensin	>95%	1 mg	RP10439	\$24
Neurotensin (1-11)	>95%	1 mg	RP10440	\$24
Neurotensin (8-13)	>95%	5 mg	RP10442	\$57
Neurotensin (9-13)	>95%	5 mg	RP12913	\$81
Neurotensin, frog	>95%	0.5 mg	RP12914	\$38
Neurotensin, guinea pig	>95%	1 mg	RP10444	\$24
Neutrophil Activating Peptide (NAP)	>95%	0.5 mg	RP13271	\$76
N-Formyl-Met-Ala-Ser	>95%	1 mg	RP10587	\$24
N-Formyl-Met-Leu-Phe	>95%	5 mg	RP12956	\$29
N-Formyl-Met-Leu-Phe-Lys	>95%	5 mg	RP12958	\$33
N-Formyl-Nle-Leu-Phe-Nle-Tyr-Lys	>95%	5 mg	RP12959	\$48
NIVRKKK	>95%	1 mg	RP20116	\$24
Nocistatin	>95%	0.5 mg	RP10472	\$33
NP (396-404)	>95%	1 mg	RP20090	\$54
NY-BR-1 p904 (A2)	>95%	0.5 mg	RP19987	\$30
Octaneuropeptide	>95%	1 mg	RP17326	\$107
Octreotide (SMS 201-995)	>95%	5 mg	RP10222	\$119

Product	Purity	Quantity	Cat. No.	Price
Opioid Receptor Antagonist	>95%	1 mg	RP17327	\$50
Orexin B, canine	>95%	0.5 mg	RP10414	\$90
Orexin B, human	>95%	0.5 mg	RP10415	\$90
Orexin B, rat, mouse	>95%	0.5 mg	RP10416	\$90
Orphanin FQ/Nociceptin, human, mouse, ox, rat	>95%	0.5 mg	RP13084	\$90
OVA Peptide (257-264)	>95%	1 mg	RP10611	\$62
OVA Peptide (323-339)	>95%	1 mg	RP10610	\$105
		5 mg		\$418
Oxytocin	>95%	5 mg	RP10407	\$57
P1	>95%	0.5 mg	RP13275	\$86
P16 Peptide 6 (84-103)	>95%	1 mg	RP17328	\$116
p2Ca	>95%	0.5 mg	RP19988	\$25
P55-TNFR	>95%	1 mg	RP11806	\$62
		5 mg		\$247
P75-TNFR	>95%	1 mg	RP11807	\$62
		5 mg		\$247
PA (224-233), Influenza	>95%	0.5 mg	RP19991	\$30
PACAP (1-27), human, ovine, rat	>95%	0.5 mg	RP10334	\$105
		5 mg		\$722
PACAP (1-38), human, ovine, rat	>95%	0.5 mg	RP10335	\$143
	>95%	5 mg		\$950
PACAP (6-27), human, ovine, rat	>95%	0.5 mg	RP10337	\$81
PACAP (6-38), human, ovine, rat	>95%	0.5 mg	RP10338	\$133
		5 mg		\$950
PACAP 38, frog	>95%	0.5 mg	RP10339	\$162
		5 mg		\$1026
PACAP-Related Peptide (PRP), human	>95%	0.5 mg	RP10341	\$138
PACAP-Related Peptide (PRP), rat	>95%	0.5 mg	RP10342	\$119
Pancreastatin, porcine	>95%	0.5 mg	RP10403	\$356
Pancreatic Polypeptide, avian	>95%	0.5 mg	RP10397	\$109
Pancreatic Polypeptide, human	>95%	0.5 mg	RP10398	\$81
Pancreatic Polypeptide, rat	>95%	0.5 mg	RP10399	\$95
Panx1	>95%	1 mg	RP20093	\$24
Papain Inhibitor	>95%	5 mg	RP10170	\$29
PAR-1 agonist peptide	>95%	1 mg	RP19979	\$45
PAR-1-Derived Peptide	>95%	1 mg	RP11819	\$124
		5 mg		\$494
PAR-4 Agonist Peptide, amide	>95%	1 mg	RP11529	\$52
		5 mg		\$209
Parasin I	>95%	0.5 mg	RP11233	\$90
Parathyroid Hormone (PTH) (1-34), bovine	>95%	0.5 mg	RP10364	\$109
PB1-F2 (62-70)	>95%	1 mg	RP20086	\$54
Pentagastrin	>95%	1 mg	RP13432	\$52
Pep 4AK	>95%	1 mg	RP11668	\$266
		5 mg		\$798
Pep-1 (uncapped)	>95%	1 mg	RP10130	\$143
Pep27	>95%	0.1 mg	RP13276	\$114
Pepducin P4pal-10	>95%	1 mg	RP20293	\$226
Peptide B, bovine	>95%	0.5 mg	RP10431	\$76
Peptide F, bovine	>95%	1 mg	RP10432	\$157
Peptide F-9	>95%	0.2 mg	RP13337	\$38
Peptide II Amide	>95%	1 mg	RP20295	\$103

Product	Purity	Quantity	Cat. No.	Price
Peptide LT	>95%	1 mg	RP20221	\$67
		5 mg		\$304
Peptide Standard 1	>95%	0.5 mg	RP11747	\$95
Peptide T	>95%	5 mg	RP13035	\$95
Peptide YY (PYY) (3-36), human	>95%	0.5 mg	RP10354	\$114
Peptide YY (PYY), human	>95%	1 mg	RP10355	\$200
Peptide YY (PYY), porcine	>95%	0.5 mg	RP10356	\$119
PGLa	>95%	1 mg	RP17329	\$116
Phe-Met-Arg-Phe	>95%	5 mg	RP10814	\$24
Phe-Met-Arg-Phe Like Peptide, Snail Helix aspersa	>95%	1 mg	RP13660	\$25
Phe-Met-Arg-Phe, amide	>95%	10 mg	RP10818	\$48
PHI (PHI-27), porcine	>95%	0.5 mg	RP10077	\$109
PHI (PHI-27), rat	>95%	0.5 mg	RP10078	\$81
Phosphate Acceptor Peptide	>95%	1 mg	RP10299	\$38
		5 mg		\$133
Phyllolitorin	>95%	0.5 mg	RP12926	\$48
Phyllomedusin	>95%	1 mg	RP10473	\$52
Physalaemin	>95%	1 mg	RP10474	\$29
PKG Substrate	>95%	0.5 mg	RP20112	\$25
PKG Substrate (Phospho-Ser ⁴)	>95%	0.5 mg	RP20113	\$39
Plasminogen Activator Inhibitor (PAI)-1	>95%	0.5 mg	RP13279	\$57
PR-19	>95%	0.2 mg	RP13281	\$114
PR-39	>95%	0.2 mg	RP13282	\$209
Prepro Enkephalin B (226-254) (Leumorphin), human	>95%	0.2 mg	RP13473	\$57
Prepro Thyrotropin-Releasing Hormone (TRH) (160-169)	>95%	1 mg	RP10108	\$43
Prepro Thyrotropin-Releasing Hormone (TRH) (178-199)	>95%	1 mg	RP10109	\$100
Pressinoic Acid	>95%	1 mg	RP10408	\$24
Proctolin	>95%	1 mg	RP10475	\$24
Prolactin Releasing Peptide (12-31), human	>95%	0.5 mg	RP11864	\$86
Prolactin Releasing Peptide (1-31), human	>95%	0.5 mg	RP11861	\$190
		5 mg		\$912
Protease-Activated Receptor-2 Activating Peptide	>95%	1 mg	RP19975	\$41
Protein Kinase C Peptide Substrate	>95%	5 mg	RP20198	\$378
QL9	>95%	1 mg	RP20092	\$54
Rad16-II	>95%	1 mg	RP20097	\$78
Ranatensin	>95%	1 mg	RP10476	\$29
Ranatensin R	>95%	1 mg	RP17330	\$99
RC-160 (Vapreotide)	>95%	0.5 mg	RP10224	\$52
Renin Inhibitor Peptide	>95%	5 mg	RP12817	\$43
RFRP-1, human	>95%	0.5 mg	RP13686	\$114
RGD-4C	>95%	1 mg	RP12818	\$333
		5 mg		\$1,368
Rigin	>95%	5 mg	RP10615	\$29
RR-SRC	>95%	5 mg	RP10315	\$181
S6-1	>95%	1 mg	RP10320	\$24
		5 mg		\$71
SAMs Peptide	>95%	0.5 mg	RP10172	\$62
Sarafotoxin 6c	>95%	0.5 mg	RP12761	\$152
Sauvagine	>95%	0.5 mg	RP11750	\$105
Scyliorhinin I, amide, dogfish	>95%	1 mg	RP20301	\$81
		5 mg		\$172
		25 mg		\$686

Product	Purity	Quantity	Cat. No.	Price
SEB-BPI	>95%	1 mg	RP20223	\$35
		5 mg		\$158
SEB-BPII	>95%	1 mg	RP20224	\$67
		5 mg		\$304
SEB-BPIII	>95%	1 mg	RP20225	\$35
		5 mg		\$158
Secretin, canine	>95%	0.2 mg	RP12943	\$76
Secretin, chicken	>95%	0.2 mg	RP12944	\$76
Secretin, human	>95%	1 mg	RP10249	\$90
Secretin, mouse	>95%	0.2 mg	RP12945	\$143
Secretin, porcine	>95%	0.5 mg	RP10247	\$62
Secretin, rat	>95%	0.5 mg	RP10248	\$62
Secretoneurin, rat	>95%	0.2 mg	RP13702	\$143
Serum Thymic Factor	>95%	1 mg	RP10618	\$24
SHU 9119	>95%	0.2 mg	RP13311	\$76
Simian Immunodeficiency Virus (SIV) mac239-1, macaquesis	>95%	1 mg	RP12462	\$166
Simian Immunodeficiency Virus (SIV) mac239-2, macaquesis	>95%	1 mg	RP12463	\$166
SIYRY	>95%	1 mg	RP20234	\$45
SLLK, Control Peptide for TSP1 Inhibitor	>95%	1 mg	RP19989	\$45
Small Cardioactive Peptide B (SCPB)	>95%	1 mg	RP10717	\$29
		5 mg		\$109
Somatostatin	>95%	5 mg	RP10226	\$57
Somatostatin 25	>95%	0.5 mg	RP10227	\$76
Somatostatin 28	>95%	0.5 mg	RP10228	\$90
Somatostatin 28 (1-12)	>95%	1 mg	RP10229	\$81
Somatostatin 28 (1-14)	>95%	1 mg	RP10230	\$81
Speract	>95%	1 mg	RP10620	\$38
Spinorphin, bovine	>95%	5 mg	RP10889	\$147
Stresscopin, human	>95%	0.5 mg	RP10214	\$185
Substance P	>95%	5 mg	RP10178	\$43
Substance P (1-4)	>95%	1 mg	RP10179	\$24
Substance P (1-7)	>95%	1 mg	RP10180	\$24
Substance P (1-9)	>95%	1 mg	RP10181	\$24
Substance P (7-11)	>95%	1 mg	RP10182	\$24
Substance P, Free Acid	>95%	5 mg	RP10185	\$43
Substance P, Methyl Ester	>95%	5 mg	RP10184	\$119
Syntide 2	>95%	1 mg	RP10322	\$38
		5 mg		\$152
Systemin	>95%	0.5 mg	RP10622	\$43
TAT	>95%	0.5 mg	RP12784	\$43
		5 mg		\$285
TAT 2-4	>95%	0.5 mg	RP10131	\$81
Tetanus toxin (830-843)	>95%	0.5 mg	RP19980	\$36
Thrombin Receptor Agonist	>95%	1 mg	RP10623	\$62
		5 mg		\$247
Thymopentin	>95%	5 mg	RP10119	\$24
		100 mg		\$166
Thymosin α1	>95%	0.5 mg	RP10123	\$119
Thymus Factor	>95%	1 mg	RP10126	\$24
Thyrotropin-Releasing Hormone (TRH)	>95%	5 mg	RP10112	\$24

Product	Purity	Quantity	Cat. No.	Price
Thyrotropin-Releasing Hormone (TRH), Free Acid	>95%	5 mg	RP10114	\$24
TLQP-30	>95%	1 mg	RP20245	\$168
TP508	>95%	1 mg	RP20095	\$135
Trp-Lys-Tyr-Met-Val-Met, amide	>95%	0.5 mg	RP12960	\$76
Tuftsia	>95%	5 mg	RP10624	\$24
Tyrosine Kinase Peptide 1	>95%	1 mg	RP11594	\$90
		5 mg		\$361
ubiquitin (65-76)	>95%	0.5 mg	RP19981	\$27
Uperolein	>95%	1 mg	RP10478	\$52
Urocortin II, human	>95%	0.5 mg	RP10098	\$166
Urocortin II, mouse	>95%	0.5 mg	RP10099	\$166
Urocortin III, human	>95%	0.5 mg	RP10100	\$166
Urocortin III, mouse	>95%	0.5 mg	RP10101	\$166
Urocortin, human	>95%	0.5 mg	RP10103	\$119
Urocortin, rat	>95%	0.5 mg	RP10104	\$109
Urotensin I	>95%	0.5 mg	RP10094	\$119
Urotensin II, frog	>95%	0.5 mg	RP12919	\$238
Urotensin II, human	>95%	0.5 mg	RP10096	\$62
Urotensin II, mouse	>95%	0.1 mg	RP12920	\$333
V14	>95%	1 mg	RP20094	\$66
Vanilloid Receptor Subtype 1 (VR1)	>95%	1 mg	RP11755	\$100
		5 mg		\$399
VIP, guinea pig	>95%	0.5 mg	RP10084	\$81
VIP, human, ovine, porcine, rat	>95%	0.5 mg	RP10085	\$62
Xenin	>95%	0.5 mg	RP10404	\$90
Xenopsin	>95%	1 mg	RP10479	\$24
α-Endorphin	>95%	1 mg	RP11328	\$43
α-Melanocyte-Stimulating Hormone (MSH), amide	>95%	1 mg	RP10644	\$24
		5 mg		\$57
β-Casomorphin, human	>95%	5 mg	RP11056	\$24
		25 mg		\$95
β-Endorphin, camel	>95%	1 mg	RP11343	\$109
β-Endorphin, equine	>95%	0.2 mg	RP13506	\$57
β-Endorphin, human	>95%	1 mg	RP11344	\$71
β-Endorphin, rat	>95%	1 mg	RP11346	\$119
β-Melanocyte Stimulating Hormone (MSH), human	>95%	1 mg	RP10648	\$90
γ-1-Melanocyte Stimulating Hormone (MSH), amide	>95%	1 mg	RP10650	\$52
γ-3-Melanocyte-Stimulating Hormone (MSH)	>95%	1 mg	RP17325	\$165
γ-Neuropeptide, rabbit	>95%	0.5 mg	RP10458	\$81
δ-Sleep Inducing Peptide	>95%	1 mg	RP10580	\$24

Related Biology Reagents

Product	Cas No.	Purity	Category	Quantity	Cat. No.	Price
ACES	7365-82-4	≥99%	Biological Buffers	100 g	C01609	\$37
				500 g		\$130
				5000 g		\$907
				25000 g		\$3,173
ACES Ultra	7365-82-4	≥99%	Biological Buffers	100 g	C01610	\$51
				500 g		\$179
				5000 g		\$1,250
				25000 g		\$4,373
ADA	26239-55-4	≥99%	Biological Buffers	100 g	C01605	\$37
				500 g		\$130
				5000 g		\$907
				25000 g		\$3,1\$73
ADA Disodium salt	41689-31-0	≥99%	Biological Buffers	100 g	C01608	\$54
				500 g		\$190
				5000 g		\$1,328
				25000 g		\$4,648
ADA Monosodium salt	7415-22-7	≥99%	Biological Buffers	100 g	C01607	\$54
				500 g		\$190
				5000 g		\$1,328
				25000 g		\$4,648
ADA Ultra	26239-55-4	≥99%	Biological Buffers	100 g	C01606	\$76
				500 g		\$267
				5000 g		\$1,872
				25000 g		\$6,551
BES	10191-18-1	≥99%	Biological Buffers	100 g	C01611	\$49
				500 g		\$171
				5000 g		\$1,196
				25000 g		\$4,185
BES Ultra	10191-18-1	≥99%	Biological Buffers	100 g	C01612	\$99
				500 g		\$346
				5000 g		\$2,421
				25000 g		\$8,472
CAPS	1135-40-6	≥99%	Biological Buffers	100 g	C01613	\$38
				500 g		\$132
				5000 g		\$921
				25000 g		\$3,224
CAPS Ultra	1135-40-6	≥99%	Biological Buffers	100 g	C01614	\$58
				500 g		\$202
				5000 g		\$1,411
				25000 g		\$4,939
CAPSO	73463-39-5	≥99%	Biological Buffers	100 g	C01615	\$49
				500 g		\$171
				5000 g		\$1,196
				25000 g		\$4,185
CAPSO Sodium salt	102601-34-3	≥99%	Biological Buffers	100 g	C01617	\$75
				500 g		\$261
				5000 g		\$1,828
				25000 g		\$6,397

Product	Cas No.	Purity	Category	Quantity	Cat. No.	Price
CAPSO Ultra	73463-39-5	≥99%	Biological Buffers	100 g	C01616	\$73
				500 g		\$256
				5000 g		\$1,789
CHES	103-47-9	≥99%	Biological Buffers	100 g	C01618	\$38
				500 g		\$134
				5000 g		\$941
CHES Ultra	103-47-9	≥99%	Biological Buffers	25000 g	C01619	\$3,293
				100 g		\$58
				500 g		\$204
HEPBS	161308-36-7	≥99%	Biological Buffers	5000 g	C01620	\$1,426
				25000 g		\$4,991
				100 g		\$330
HEPES	7365-45-9	≥99%	Biological Buffers	500 g	C01621	\$1,156
				5000 g		\$8,095
				25000 g		\$28,332
HEPES hemisodium salt	103404-87-1	≥99%	Biological Buffers	100 g	C01623	\$26
				500 g		\$90
				5000 g		\$627
HEPES Sodium salt	75277-39-3	≥99%	Biological Buffers	25000 g	C01621	\$2,195
				100 g		\$45
				500 g		\$158
HEPES Sodium salt Ultra	75277-39-3	≥99%	Biological Buffers	5000 g	C01623	\$1,103
				25000 g		\$3,859
				100 g		\$45
HEPES Ultra	7365-45-9	≥99%	Biological Buffers	500 g	C01624	\$158
				5000g		\$1,103
				25000 g		\$3,859
HEPPS	16052-06-5	≥99%	Biological Buffers	100 g	C01625	\$76
				500 g		\$267
				5000 g		\$1,872
MES free water	4432-31-9	≥99%	Biological Buffers	25000 g	C01625	\$6,551
				100 g		\$40
				500 g		\$139
MES hemisodium salt	117961-21-4	≥99%	Biological Buffers	5000 g	C01622	\$970
				25000 g		\$3,396
				100 g		\$52
MES Monohydrate	145224-94-8	≥99%	Biological Buffers	500 g	C01626	\$181
				5000 g		\$1,264
				25000 g		\$4,425
MES Monohydrate Ultra	145224-94-8	≥99%	Biological Buffers	100 g	C01629	\$38
				500 g		\$132
				5000 g		\$926
MES potassium salt	39946-25-3	≥99%	Biological Buffers	25000 g	C01629	\$3,241
				100 g		\$50
				500 g		\$176
MES Sodium salt	71119-23-8	≥99%	Biological Buffers	5000 g	C01630	\$1,230
				25000 g		\$4,305
				100 g		\$26

Product	Cas No.	Purity	Category	Quantity	Cat. No.	Price
MES Monohydrate	145224-94-8	≥99%	Biological Buffers	100 g	C01627	\$26
				500 g		\$90
				5000 g		\$627
MES Monohydrate Ultra	145224-94-8	≥99%	Biological Buffers	25000 g	C01627	\$2,195
				100 g		\$40
				500 g		\$139
MES potassium salt	39946-25-3	≥99%	Biological Buffers	5000 g	C01628	\$970
				25000 g		\$3,396
				100 g		\$71
MES Sodium salt	71119-23-8	≥99%	Biological Buffers	500 g	C01632	\$249
				5000 g		\$1,740
				25000 g		\$6,088
MOPS	1132-61-2	≥99%	Biological Buffers	100 g	C01631	\$39
				500 g		\$137
				5000 g		\$956
MOPS hemisodium salt	117961-20-3	≥99%	Biological Buffers	25000 g	C01631	\$3,344
				100 g		\$36
				500 g		\$127
MOPS Sodium salt	71119-22-7	≥99%	Biological Buffers	5000 g	C01633	\$892
				25000 g		\$3,121
				100 g		\$56
MOPS Sodium salt Ultra	71119-22-7	≥99%	Biological Buffers	500 g	C01635	\$197
				5000 g		\$1,382
				25000 g		\$4,836
MOPSO	68399-77-9	≥99%	Biological Buffers	100 g	C01636	\$45
				500 g		\$158
				5000 g		\$1,103
MOPSO sodium salt	79803-73-9	≥99%	Biological Buffers	25000 g	C01636	\$3,859
				100 g		\$57
				500 g		\$200
MOPSO sodium salt Ultra	79803-73-9	≥99%	Biological Buffers	5000 g	C01637	\$1,401
				25000 g		\$4,905
				100 g		\$45
MOPSO sodium salt	79803-73-9	≥99%	Biological Buffers	500 g	C01634	\$158
				5000 g		\$1,107
				25000 g		\$3,876
MOPSO sodium salt	79803-73-9	≥99%	Biological Buffers	100 g	C01638	\$38
				500 g		\$134
				5000 g		\$936
MOPSO sodium salt Ultra	79803-73-9	≥99%	Biological Buffers	25000 g	C01638	\$3,276
				100 g		\$57
				500 g		\$200
MOPSO sodium salt	79803-73-9	≥99%	Biological Buffers	5000 g	C01639	\$1,397
				25000 g		\$4,888
				100 g		\$77
MOPSO sodium salt Ultra	79803-73-9	≥99%	Biological Buffers	500 g	C01640	\$270
				5000 g		\$1,887
				25000 g		\$6,603

Product	Cas No.	Purity	Category	Quantity	Cat. No.	Price
PIPES	5625-37-6	≥99%	Biological Buffers	100 g	C01641	\$35
				500 g		\$123
				5000 g		\$862
				25000 g		\$3,018
PIPES Dipotassium salt	108321-27-3	≥99%	Biological Buffers	100 g	C01646	\$79
				500 g		\$275
				5000 g		\$1,926
				25000 g		\$6,740
PIPES Dipotassium salt	76836-02-7	≥99%	Biological Buffers	100 g	C01644	\$50
PIPES Monosodium salt	10010-67-0	≥99%	Biological Buffers	100 g	C01643	\$50
				500 g		\$176
				5000 g		\$1,230
				25000 g		\$4,305
PIPES Sesquisodium salt	100037-69-2	≥99%	Biological Buffers	100 g	C01645	\$53
				500 g		\$186
				5000 g		\$1,303
				25000 g		\$4,562
PIPES Ultra	5625-37-6	≥99%	Biological Buffers	100 g	C01642	\$43
				500 g		\$151
				5000 g		\$1,058
				25000 g		\$3,704
TAPS	29915-38-6	≥99%	Biological Buffers	100 g	C01647	\$45
				500 g		\$158
				5000 g		\$1,103
				25000 g		\$3,859
TAPS Ultra	29915-38-6	≥99%	Biological Buffers	100 g	C01648	\$77
				500 g		\$270
				5000 g		\$1,887
				25000 g		\$6,603
Tris HCl	1185-53-1	≥99%	Biological Buffers	100 g	C01650	\$9
				500 g		\$32
				5000 g		\$225
dATP (100 mM) ≥99% HPLC	1927-31-7	≥99%	dNTP	1 ml	C01577	\$45
				10 ml		\$360
				50 ml		\$1,600
				250 ml		\$7,500
dCTP (100 mM) ≥99% HPLC	102783-51-7	≥99%	dNTP	1 ml	C01579	\$45
				10 ml		\$360
				50 ml		\$1,600
				250 ml		\$7,500
dGTP (100 mM) ≥99% HPLC	93919-41-6	≥99%	dNTP	1 ml	C01578	\$45
				10 ml		\$360
				50 ml		\$1,600
				250 ml		\$7,500
dNTP (10 mM each) ≥99% HPLC	NA	≥99%	dNTP	1 ml	C01582	\$45
				10 ml		\$154
				50 ml		\$720
				250 ml		\$2,500

Product	Cas No.	Purity	Category	Quantity	Cat. No.	Price
dNTP (25 mM each) ≥99% HPLC	NA	≥99%	dNTP	1 ml	C01581	\$45
				10 ml		\$360
				50 ml		\$1,600
				250 ml		\$7,500
dTTP (100 mM) ≥99% HPLC	18423-43-3	≥99%	dNTP	1 ml	C01580	\$45
				10 ml		\$360
				50 ml		\$1,600
				250 ml		\$7,500
Stabilized dNTP Mix, 10 mM each	NA	≥99%	dNTP	0.5 ml	C01689	\$29
ADOS	82692-96-4	≥99%	Diagnostic Chromogens	10 g	C01592	\$292
				100 g		\$2,480
				500 g		\$9,921
ADPS	82611-88-9	≥99%	Diagnostic Chromogens	10 g	C01591	\$216
				100 g		\$1,840
				500 g		\$7,359
ALPS	82611-85-6	≥99%	Diagnostic Chromogens	10 g	C01600	\$220
				100 g		\$1,870
				500 g		\$7,480
DAOS	83777-30-4	≥99%	Diagnostic Chromogens	10 g	C01595	\$292
				100 g		\$2,483
				500 g		\$9,933
DTNB	69-78-3	≥99%	Diagnostic Chromogens	10 g	C01604	\$164
				100 g		\$1,396
				500 g		\$5,583
HDAOS	82692-88-4	≥99%	Diagnostic Chromogens	10 g	C01596	\$302
				100 g		\$2,571
				500 g		\$10,282
MADB	209518-16-1	≥99%	Diagnostic Chromogens	10 g	C01597	\$374
				100 g		\$3,181
				500 g		\$12,723
MAOS	82692-97-5	≥99%	Diagnostic Chromogens	10 g	C01598	\$266
				100 g		\$2,261
				500 g		\$9,044
TBHBA	14348-40-4	≥99%	Diagnostic Chromogens	10 g	C01590	\$167
				100 g		\$1,421
				500 g		\$5,685
TMB	54827-17-7	≥99%	Diagnostic Chromogens	10 g	C01601	\$243
				100 g		\$2,066
				500 g		\$8,262
TMB HCl	64285-73-0	≥99%	Diagnostic Chromogens	10 g	C01602	\$243
				100 g		\$2,066
				500 g		\$8,262
TODB	NA	≥99%	Diagnostic Chromogens	10 g	C01599	\$374
				100 g		\$3,181
				500 g		\$12,723
TOOS	82692-93-1	≥99%	Diagnostic Chromogens	10 g	C01594	\$195
				100 g		\$1,660
				500 g		\$6,640

Product	Cas No.	Purity	Category	Quantity	Cat. No.	Price
TOPS	40567-80-4	≥99%	Diagnostic Chromogens	10 g	C01593	\$197
				100 g		\$1,677
				500 g		\$6,706
103B	2082-84-0	≥99%	Quaternary Ammonium Salts	100 g	C01652	\$88
				500 g		\$221
				20000 g		\$2,646
103C	10108-87-9	≥99%	Quaternary Ammonium Salts	100 g	C01651	\$88
				500 g		\$221
				20000 g		\$2,646
BETAB	2758-6-7	≥99%	Quaternary Ammonium Salts	100 g	C01670	\$250
				500 g		\$625
				20000 g		\$7,500
BPTAB	3779-42-8	≥99%	Quaternary Ammonium Salts	100 g	C01671	\$250
				500 g		\$625
				20000 g		\$7,500
CTAB	57-09-0	≥99%	Quaternary Ammonium Salts	100 g	C01658	\$38
				500 g		\$94
				20000 g		\$1,128
CTAC	112-02-7	≥99%	Quaternary Ammonium Salts	100 g	C01657	\$70
				500 g		\$176
				20000 g		\$2,106
DDAB	3282-73-3	≥99%	Quaternary Ammonium Salts	100 g	C01667	\$82
				500 g		\$206
				20000 g		\$2,466
DSAB	3700-67-2	≥99%	Quaternary Ammonium Salts	100 g	C01669	\$70
				500 g		\$176
				20000 g		\$2,106
DTAB	1119-94-4	≥99%	Quaternary Ammonium Salts	100 g	C01654	\$70
				500 g		\$176
				20000 g		\$2,106
DTAC	112-00-5	≥99%	Quaternary Ammonium Salts	100 g	C01653	\$70
				500 g		\$176
				20000 g		\$2,106
EDDAB	68207-00-1	≥99%	Quaternary Ammonium Salts	100 g	C01661	\$88
				500 g		\$221
				20000 g		\$2,646
EHDAB	124-03-8	≥99%	Quaternary Ammonium Salts	100 g	C01662	\$88
				500 g		\$221
				20000 g		\$1,646
HDBAC	122-18-9	≥99%	Quaternary Ammonium Salts	100 g	C01664	\$70
				500 g		\$176
				20000 g		\$2,106
Octyltrimethylammonium chloride	10108-86-8	≥99%	Quaternary Ammonium Salts	100 g	C01665	\$82
				500 g		\$206
				20000 g		\$2,466
STAB	1120-02-1	≥99%	Quaternary Ammonium Salts	100 g	C01660	\$70
				500 g		\$176
				20000 g		\$2,106

Product	Cas No.	Purity	Category	Quantity	Cat. No.	Price
STAC	112-03-8	≥99%	Quaternary Ammonium Salts	100 g	C01659	\$70
				500 g		\$176
				20000 g		\$2,106
TTAB	1119-97-7	≥99%	Quaternary Ammonium Salts	100 g	C01656	\$70
				500 g		\$176
				20000 g		\$2,106
TTAC	4574-4-3	≥99%	Quaternary Ammonium Salts	100 g	C01655	\$70
				500 g		\$176
				20000 g		\$2,106
Ultra C14-alkylbenzyltrimethylammonium chloride	139-08-2	≥99%	Quaternary Ammonium Salts	100 g	C01663	\$88
				500 g		\$221
				20000 g		\$2,646
MTT	2348-71-2	≥99%	Tetrazolium Salts	1 g	C01678	\$175
				10 g		\$1,138
WST-1	150849-52-8	≥99%	Tetrazolium Salts	1 g	C01672	\$510
				10 g		\$3,600
WST-3	161617-45-4	≥99%	Tetrazolium Salts	1 g	C01673	\$510
				10 g		\$3,600
WST-8	193149-74-5	≥99%	Tetrazolium Salts	1 g	C01675	\$510
				10 g		\$3,600
XTT	111072-31-2	≥99%	Tetrazolium Salts	1 g	C01676	\$510
				10 g		\$3,600

Custom Peptide Services

GenScript's proprietary FlexPeptide™ platform provides custom peptides of up to 200 residues in length and a capacity of 6,000 peptides per month. With a scale ranging from milligrams to kilograms, comprehensive labeling and modification options, and rapid high-throughput peptide library synthesis, this platform is an ideal choice for peptide synthesis, and peptide library services. GenScript also offers cosmetic peptides and

large-scale cGMP-grade peptide production services.

GenScript's secure and simple online quotation/ordering systems offer easy access to our peptide synthesis services, and our collection of catalog peptides. In addition, GenScript offers the most competitive prices in the peptide synthesis industry.



GenScript's FlexPeptide™ Technology Includes

- Combined Platforms: Flexible choices of LPPS and SPPS, achieved highest synthesis success rate
- Microwave Technologies: High yield synthesis of peptides in an efficient and smart way
- Ligation Technology: Long peptide up to 200 AA can be synthesized

Advantages of GenScript's FlexPeptide™ Technology

- GenScript's peptide synthesis offers researchers the following benefits:
- High Success Rate Delivery: The technological platform with flexible choice of LPPS, SPPS, microwave technology, and proprietary ligation technology allows us to produce peptides as short as 2 AA and as long as 200 AA.
 - High Efficiency: The use of microwave heating in peptide synthesis can markedly reduce the time required to complete each cycle of coupling and deprotection.
 - Improved Peptide Yield: Microwave energy can improve peptide yield by preventing unwanted aggregation.
 - Decreased Cost: Microwave technology significantly decreases the cost of peptide synthesis by enhancing chemical reaction rate and reducing the quantity of chemicals required for synthesis.

Services List

Peptide Synthesis

GenScript offers quality peptides at very competitive prices in the industry, starting at \$3.20 per amino acid. GenScript

FlexPeptide™ technology can synthesize peptide as long as 200 amino acids, which is a remarkable achievement in the industry.

Peptide Modifications

GenScript offers a wide range of peptide modification services including isotope labeling (²H, ¹⁵N, and ¹³C), PEGylation, multiple disulfide bonds, multiple phosphorylations, KLH, BSA, ovalbumin, amidation, acetylation, biotin, FITC, etc.

Peptide Library Service

GenScript has developed a rapid high-throughput parallel peptide synthesis platform, providing custom libraries of unbound peptides of 5–20 mer at very competitive prices.

Cosmetic Peptide Service

GenScript manufactures research- and cGMP-grade cosmetic peptides to each customer's exact specifications. We guarantee the best available quality for all cosmetic peptides.

Mirror-image Peptide Service

GenScript is currently the only company in the industry to provide mirror-image peptide screening services.

Recombinant Peptides

GenScript's recombinant peptide technology was developed to complement our chemical peptide synthesis service. The combination of the two technologies enables GenScript to provide its customers with peptides of any length and sequence, on any scale.

cGMP Peptides

GenScript provides a large-scale cGMP peptide service with a capacity of up to kilograms per project. Our comprehensive experience in synthesizing cGMP-grade peptides for therapeutic and diagnostic applications gives us an edge over the competition. Consistency, viability, and delivery are guaranteed.

Applications

- Monoclonal and polyclonal antibody production
- Identification/synthesis of posttranslational modifications
- New techniques for separation by chromatography or electrophoresis
- Enzyme specificity and enzymatic mechanism studies
- Antibody-antigen interactions
- Biological effects of defined peptides
- Immunization and quantitative receptor-ligand interactions
- Immunization and quantitative receptor-ligand interactions
- Blocking and competition protease assay
- ELISA standards for measuring antibody titer
- Non-quantitative enzyme-substrate studies
- Non-quantitative peptide blocking studies
- Structure, dynamics, and folding of peptides and proteins via NMR
- Epitope mapping

Quotations and Ordering

Quotations and orders may be placed by email, phone, or fax with either a formal PO (Purchase Order) or credit card. Please choose the most convenient ordering method.

	Secured Online Quotation: https://www.genscript.com/ssl-bin/order_peptide_chemical
	Quotation Form: Obtainable on our website
	Email: peptide@genscript.com
	Phone: 1-877-436-7274 (Toll-Free); 1-732-885-9188
	Fax: 1-732-210-0262; 1-732-885-5878
	Secured Web Server: https://www.genscript.com/ssl-bin/secure_data



Chapter 6 Cellular Analysis

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Overview

GenScript offers a wide selection of products suitable for cell biology, developmental biology, and oncology research. This chapter of products includes apoptosis detection kits, cell proliferation assay reagents, and many others. GenScript constantly launches cell biology products and updates its

Apoptosis

Accelerated apoptosis is associated with many diseases, including AIDS, Alzheimer's, and Parkinson's. Decreased apoptosis levels may result in autoimmune disorders and facilitate viral infections. Reliable detection and monitoring of apoptosis is a vital component in developing treatment for apoptosis-associated diseases and analyzing the effectiveness

website. If prices and the other relevant information presented here differ from those shown on the website, please refer to the correct information on the website, http://www.genscript.com/cell_biology.html

of compounds that initiate or prevent apoptosis. GenScript's Apoptosis Detection Kits are designed for biomedical research and the efficiency analysis for pro- and anti-apoptotic compounds.

Mitochondrial Apoptosis Detection Kit

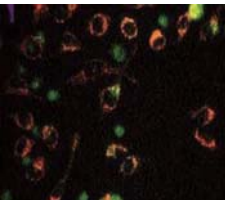
Reliable and low-cost detection for potential of mitochondrial transmembrane

- **Extra Convenience**—The kit is ready-to-use format.
- **Quick Procedure**—Aassay can be finished in 30 minutes.
- **Enhanced Versatility**—Directly analyzed by flow cytometer and fluorescence microscope.

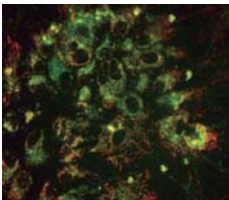
Mitochondrial Apoptosis Detection Kit utilizes JC-1, a cationic dye that fluoresces differently in healthy cells and in apoptotic cells. In healthy cells, JC-1 accumulates and aggregates in the mitochondria, giving off a bright red fluorescence. In apoptotic cells, the altered potential of mitochondrial transmembrane causes JC-1 to remain in the cytoplasm in its monomer form, fluorescing green. The fluorescent signals can be easily detected by fluorescence microscopy using a band-pass filter (detects FITC and rhodamine) or analyzed by flow cytometry using the FITC channel for green monomers

(Ex/Em =488/530+ 30 nm) and the PI channel for red aggregates (Ex/Em =488/590+ 42 nm).

Fluorescence microscopy analyzed apoptotic and healthy cells stained with Mitochondrial Apoptosis Detection Kit (L00291). The results are below:



Negative Control



Positive Control

Product Overview:

Product	Quantity	Cat. No.	Price
Mitochondrial Apoptosis Detection Kit (JC-1)	1 Kit (100 Assays)	L00291	\$140

Double Stain Apoptosis Detection Kit (Hoechst 33342/PI)

Two-color fluorescent dyes for chromatin condensation in apoptotic cells

GenScript's Double Stain Apoptosis Detection Kit (Hoechst 33342/PI) provides a rapid and convenient assay for apoptosis based upon fluorescent detection of compacted chromatin in apoptotic cells. This kit contains two ready-to-use dyes bound to DNA. Hoechst 33342, a type of blue-fluorescence dye (excitation/emission maxima ≈350/461 nm when bound to DNA), stains the condensed chromatin in apoptotic cells more

brightly than normal chromatin. Propidium iodide (PI), a red-fluorescence dye (excitation/emission maxima ≈535/617 nm when bound to DNA), is only permeant to dead cells. The staining pattern resulting from the simultaneous use of these dyes makes it possible to distinguish normal, apoptotic, and dead cell populations by flow cytometry and fluorescence microscopy.

Product Overview:

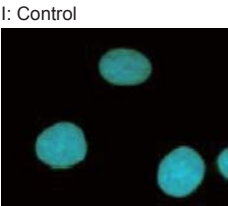
Product	Quantity	Cat. No.	Price
Double Stain Apoptosis Detection Kit (Hoechst 33342/PI)	1 Kit (100 Assays)	L00309	\$99

Cell Apoptosis DAPI Detection Kit

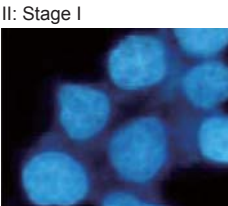
Special and strong blue fluorescence for division apoptotic and normal cells

Cell Apoptosis DAPI Detection Kit contains diamidino-2-phenylindole (DAPI) DNA-specific dye that displays a blue fluorescence. This dye can pass through intact, living cell membranes, but apoptosis increases cell membrane permeability and uptake of DAPI, leaving a stronger blue stain. In addition, the nuclear morphology of normal cells is round, clear-edged, uniformly stained. Apoptotic cells show irregular edges around the nucleus, chromosome concentration in the nucleus, heavier coloring, and, with nuclear pyknosis, an increased number of nuclear body fragments. For these reasons, the intensity of the fluorescence can help researchers identify apoptotic samples.

The morphological change of nuclear chromatin in apoptosis observed by Cell Apoptosis DAPI Detection Kit (L00312): P388 cells were induced apoptosis by 10 μM camptothecin for one hour at 37°C, and procedures were accomplished according with protocol as described as above. The result is as follow:



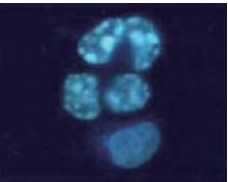
I: Control



II: Stage I



III: Stage IIa



VI: Stage IIb

Product Overview:

Product	Quantity	Cat. No.	Price
Cell Apoptosis DAPI Detection Kit	1 Kit (100 Assays)	L00312	\$199

Cell Apoptosis PI Detection Kit

Reliable and easy kit for cell distinction and analysis

- **Superior Convenience**—The kit is supplied ready-to-use.
- **Simplified Procedure**—The kit is quick and easy to use.
- **Strong Versatility**—The kit can directly analyze normal and apoptotic cells by flow cytometry, fluorescence microscopy, or fluorescent photometry.

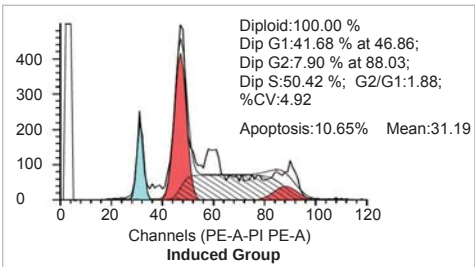
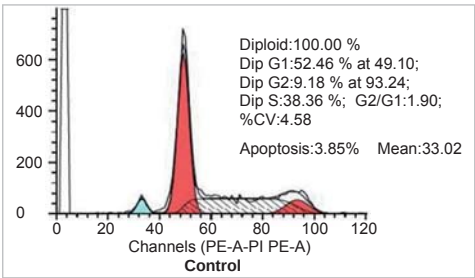
GenScript's Cell Apoptosis PI Detection Kit provides a rapid and convenient assay for apoptosis based upon fluorescent detection. The kit includes ready-to-use propidium iodide (PI), a DNA-specific red-fluorescence dye (excitation/emission maxima ≈ 535/617 nm). Propidium iodide is only permeant to dead cells. Under fluorescent microscopy, normal cells are not stained, while dead cells show strong red fluorescence. The intensity of the fluorescence of apoptotic cells is between dead cells and normal cells. Under flow cytometry, DNA in the cells is degraded by endogenous nuclease activity and diffused out of cells as part of apoptosis. A highly definable sub-G1 peak occurs and is easily quantified by PI. Cells can then be sorted and further analyzed by microscopy to verify the presence of apoptotic cells. The change in DNA of the apoptotic cells is then assayed by flow cytometry.

Observe and analyze apoptosis by GenScript's Cell Apoptosis PI Detection Kit (L00311): P388 cells were induced apoptosis by 10 μM camptothecin for one hour at 37°C. The results are as follows:

Product Overview:

Product	Quantity	Cat. No.	Price
Cell Apoptosis PI Detection Kit	1 Kit (100 Assays)	L00311	\$149

Observe and Analyze Apoptosis by Flow Cytometry



Caspase Activity Assay Kits

Unsurpassed analysis for caspase activity using bioluminescence

Caspase activity plays a key role in initiation of cellular events during the apoptotic progress. GenScript's Caspase Activity Assay Kits provide a simple and important colorimetric means for testing caspase activity. A novel bioluminescent substrate is

employed in each kind of kits. And caspase activity in apoptotic progress will degrade the specific substrate and release bioluminescence to be easier analyzed. The status of cell apoptosis will be confirmed further.

Product Overview:

Product	Quantity	Cat. No.	Price
Caspase-3 Colorimetric Assay Kit	1 Kit (100 Assays)	L00289	\$275
Caspase-2 Colorimetric Assay Kit	1 Kit (100 Assays)	L00294	\$275
Caspase-6 Colorimetric Assay Kit	1 Kit (100 Assays)	L00302	\$275
Caspase-8 Colorimetric Assay Kit	1 Kit (100 Assays)	L00303	\$275
Caspase-9 Colorimetric Assay Kit	1 Kit (100 Assays)	L00304	\$275

Annexin V-EGFP Apoptosis Detection Kit

More photo-stable and high-quality assay kit using EGFP and PI

- **High Precision**—This kit can detect cells in early period of apoptosis and accurately differentiate and compute the ratio of normal cells, apoptosis cells, and necrotic cells.
- **High Stabilization**—EGFP has strong signals that are hard to quench.
- **High Sensitivity**—EGFP is brighter and much more photo-stable than FITC.

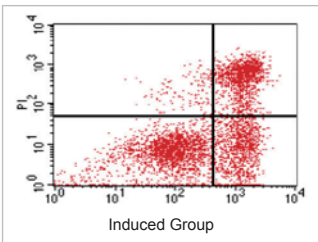
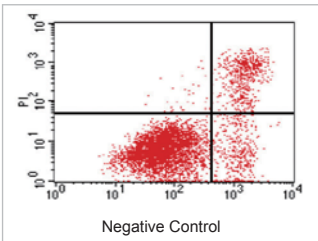
Apoptotic cells are known to display phosphatidylserine (PS) molecules on their outer membranes, which allow safe clearance of apoptotic debris without activating inflammatory pathways. To better distinguish apoptotic cells from necrotic cells, GenScript uses a second fluorescent dye, propidium iodide (PI) that only enters necrotic cells across damaged membranes. Using annexin V fused with EGFP to detect PS by light microscopy or flow cytometry, GenScript's Annexin V-EGFP Apoptosis Detection Kit is nonenzymatic. It does not require fixation and is suitable for both adherent and suspension cells.

P388 cells were induced apoptosis by H₂O₂, and the detections were performed in accordance with the procedures described in L00288. The results are as follows:

Product Overview:

Product	Quantity	Cat. No.	Price
Annexin V-EGFP Apoptosis Detection Kit	1 Kit (100 Assays)	L00288	\$168

Observation by Flow Cytometry



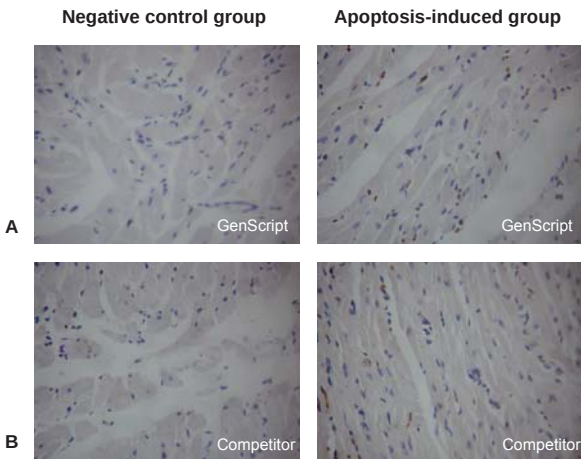
TUNEL (TdT-Mediated dUTP Nick-End Labeling) Apoptosis Detection Kits

Abundant and effective analysis for DNA fragmentation

- **Enhanced Sensitivity**—This kit can assay the cells during the early stages of apoptosis.
- **Streamlined Process**—The entire procedure takes about three hours.
- **Comprehensive Applications**—Not only adherence cells, but also paraffin-embedded and cryopreserved tissue sections, can be applied.
- **Ultimate Convenience**—The kit contains ready-to-use reagents, including proteinase K and DAB.

Apoptosis, also named programmed cell death (PCD), occur in multicellular organisms. Apoptosis involves a series of biochemical changes leading to a characteristic cell death and morphology, which includes chromatin condensation, nuclear fragmentation, and chromosomal DNA fragmentation, and so on. TUNEL detection kits are a series of terminal deoxynucleotidyl transferees (TdT)-mediated dUTP nick end labeling (TUNEL) kits that are used for assaying fragmental chromosomal DNA. GenScript offers kits designed for several different formats containing adherent cells, paraffin-embedded tissue sections, and cryopreserved tissue sections. Also, according the requirement of usage, we offer colorimetric and fluorescent kits analyzed by light microscope and fluorescence microscope.

Detection of apoptotic cells in paraffin-embedded myocardium tissue sections using A. GenScript's TUNEL Apoptosis Detection Kit (L00297) and B. Competitor's TUNEL apoptosis detection kit.



Product Overview:

Product	Quantity	Cat. No.	Price
TUNEL Universal Apoptosis Detection Kit (Biotin-labeled POD)	1 Kit (100 Assays)	L00290	\$598
TUNEL Apoptosis Detection Kit for Adherent Cells (Biotin-labeled POD)	1 Kit (100 Assays)	L00296	\$598
TUNEL Apoptosis Detection Kit for Paraffin-embedded Tissue Sections(Biotin-labeled POD)	1 Kit (100 Assays)	L00297	\$598
TUNEL Apoptosis Detection Kit for Cryopreserved Tissue Sections (Biotin-labeled POD)	1 Kit (100 Assays)	L00298	\$598
TUNEL Apoptosis Detection Kit for Adherent Cells (FITC-labeled POD)	1 Kit (100 Assays)	L00299	\$598
TUNEL Apoptosis Detection Kit for Paraffin-embedded Tissue Sections (FITC-labeled POD)	1 Kit (100 Assays)	L00300	\$598
TUNEL Apoptosis Detection Kit for Cryopreserved Tissue Sections (FITC-labeled POD)	1 Kit (100 Assays)	L00301	\$598

For more information on Apoptosis Detection Kits, visit http://www.genscript.com/apoptosis_detection_kits.html

Cell Cycle Analysis Kit

Reliable and convenient for cell distinction and analysis

- **Enhanced Versatility**—This product directly analyzes cell cycle for both suspension cells and adherence cells
- **Superior Utility**—Direct quantification of normal, apoptotic, and dead cells by flow cytometry
- **Ready-to-use Format**

GenScript's Cell Cycle Analysis Kit enables rapid and convenient cell cycle and cell proliferation assay. In normal cells, DNA density changes depend on whether the cell is growing, dividing, resting, or performing its ordinary functions. Stained DNA using flow cytometry allows the researcher to determine whether the cell is in G0/G1, S, or G2/M, giving a clearer picture of how cells in different parts of the cell cycle are distributed throughout the sample and the level of proliferation activity. In apoptotic cells, DNA is degraded by endogenous nucleases and diffused out of cells. A highly definable sub-G1 peak occurs and is easily quantified by dyes. Cells can then be sorted and further analyzed by microscopy to verify the

presence of apoptotic cells. After RNA is degraded by RNase, the nucleic acid dye in this kit binds with DNA in the nucleus, in both normal cells, and in apoptotic cells. The change in DNA of cells can be assayed by flow cytometry.

Observe and analyze the distribution of cell cycle by Cell Cycle Analysis Kit (L00287): P388 cells were induced apoptosis by 10 μ M camptothecin for 1 hour at 37°C.

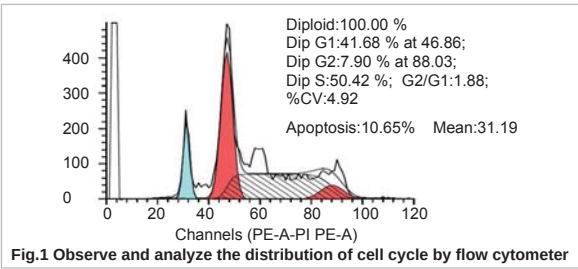


Fig.1 Observe and analyze the distribution of cell cycle by flow cytometer

Product Overview:

Product	Quantity	Cat. No.	Price
Cell Cycle Analysis Kit	1 Kit (50 Assays)	L00287	\$88

For more information on Cell Cycle Analysis, visit http://www.genscript.com/kit/L00287-Cell_Cycle_Analysis_Kit.html

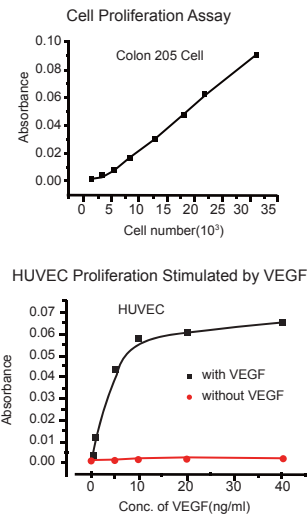
Cell Proliferation

Specific, simple, and essential solution for cell proliferation assay and cytotoxicity analysis

- Easy-to-use interface
- No radioactive or toxic reagents are required
- Enhanced stability, sensitivity, and accuracy relative to other cell counting methods

Cell proliferation test is essential in drug discovery and more specific in cytotoxicity analysis. GenScript's Cell Proliferation Testing Solution provides the easiest and the most sensitive tool of assessing cell viability and cytotoxicity. The Cell Proliferation Testing Solution uses nonradioactive reagents to determine the number of viable cells in the sample. Mechanistically, the reagent is reduced by the dehydrogenases in living cells, giving rise to a color change. The process can be detected at 450 nm on a spectrophotometer microplate reader. The absorption is directly proportional for the number of viable cells, allowing an accurate quantification on cell proliferation, viability, and cytotoxicity. The Cell Proliferation Testing Solution is more sensitive than MTT, XTT, or MTS-based assays.

Spontaneous and HUVEC proliferation assayed using Cell Proliferation Testing Solution (L00235). The results are below:



Product Overview:

Product	Quantity	Cat. No.	Price
Cell Proliferation Testing Solution	1,000 Assays	L00235	\$120

 For more information on Cell Proliferation, visit http://www.genscript.com/kit/L00235-Quick_Cell_Solution.html.html

Cell Lines

GenScript is a leading bio-reagent manufacturer and an assay service supplier. A large panel of GPCR and ion channel stable cell lines for cell-based assays has been developed. In addition, Ready-to-Use™ Frozen Cells is a cost-effective alternative to stable cell line. Based on our expertise on assay technologies, all the cells are validated by various methods.

GPCR Stable Cell Lines

- High functional protein expression at the cell surface
- Stable cell lines for increased reliability and reproducibility
- Flexible functional readouts are available

GenScript offers a wide selection of GPCR stable cell lines. Proprietary codon optimization and vector design technologies enable GenScript to overcome low functional protein expression at the cell surface. All of the cell lines have been optimized for S/B ratio in calcium flux assay, FRET assay, or chemiluminescent assay. They are shown to be stable after over 16 passages.

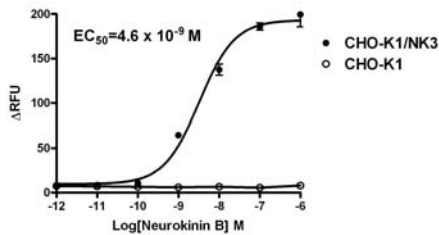


Fig1. Shown above are intracellular calcium responses from CHO-K1 cells stably expressing human NK3 Neurokinin receptors and from untransfected control cells. Cells were loaded with Calcium-4 and then stimulated with the indicated concentrations of Neurokinin B. Calcium responses were recorded on a FlexStation plate reader. Data represent the average +/- standard deviation of triplicate determinations.

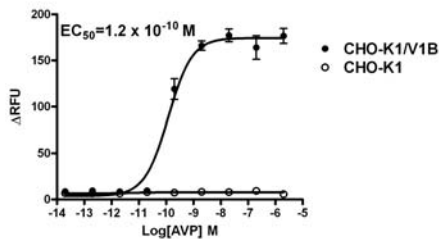


Fig2. Shown above are the intracellular calcium responses of CHO-K1 cells stably expressing human arginine vasopressin receptor 1B and of untransfected control cells. Cells were loaded with Calcium-4 and then stimulated with the indicated concentrations of AVP. Calcium responses were recorded on a FlexStation plate reader. Data represent the average +/- standard deviation of triplicate determinations.

Product Overview:

Product	Family	Receptor	Quantity	Cat. No.	Price
CHO-K1/M1	Acetylcholine (muscarinic)	M1	2 Vials	M00185	Quote
HEK293/M1	Acetylcholine (muscarinic)	M1	2 Vials	M00135	Quote
CHO-K1/M3	Acetylcholine (muscarinic)	M3	2 Vials	M00259	Quote
CHO-K1/M5	Acetylcholine (muscarinic)	M5	2 Vials	M00186	Quote
CHO-K1/A1/Gα15	Adenosine	A1	2 Vials	M00324	Quote
CHO-K1/ADRA1A	Adrenoceptors	ADRA1A	2 Vials	M00225	Quote
CHO-K1/ADRA1B	Adrenoceptors	ADRA1B	2 Vials	M00260	Quote
CHO-K1/ADRB1/Gα15	Adrenoceptors	ADRB1	2 Vials	M00269	Quote
CHO-K1/ADRB2/Gα15	Adrenoceptors	ADRB2	2 Vials	M00308	Quote
CHO-K1/BB2	Bombesin	BB2	2 Vials	M00182	Quote
CHO-K1/BB3	Bombesin	BB3	2 Vials	M00183	Quote
CHO-K1/B2/Gα15	Bradykinin	B2	2 Vials	M00184	Quote
CHO-K1/CALCR/Gα15	Calcitonin	CALCR	2 Vials	M00320	Quote
CHO-K1/CMKLR1/Gα15	Chemoattractant	CMKLR1	2 Vials	M00301	Quote
CHO-K1/CCKA/Gα15	Cholecystokinin	CCKA	2 Vials	M00271	Quote
CHO-K1/CCKB	Cholecystokinin	CCKB	2 Vials	M00154	Quote
CHO-K1/CRF2/Gα15	Corticotropin Releasing Factor	CRF2	2 Vials	M00208	Quote
HEK293/D1/CRE/β-Lac	Dopamine	D1	2 Vials	M00128	Quote
CHO-K1/D2/Gα15	Dopamine	D2	2 Vials	M00152	Quote
HEK293/D2/Gα15	Dopamine	D2	2 Vials	M00129	Quote
CHO-K1/D2s/Gα15	Dopamine	D2s	2 Vials	M00274	Quote
HEK293/D5/CRE/β-Lac	Dopamine	D5	2 Vials	M00130	Quote
CHO-K1/EDNRA	Endothelin	EDNRA	2 Vials	M00149	Quote
CHO-K1/EDNRB	Endothelin	EDNRB	2 Vials	M00150	Quote
CHO-K1/GPR40-GFP	Free Fatty Acid	FFA1/GPR40	2 Vials	M00263	Quote
CHO-K1/GPR40/Gα15	Free Fatty Acid	FFA1/GPR40	2 Vials	M00273	Quote
HEK293/GPR40/NFAT/β-Lac	Free Fatty Acid	FFA1/GPR40	2 Vials	M00137	Quote
CHO-K1/GAL1/Gα15	Galanin	GAL1	2 Vials	M00277	Quote
CHO-K1/GAL2	Galanin	GAL2	2 Vials	M00209	Quote
CHO-K1/GHSR	Galanin	GAL1	2 Vials	M00189	Quote
CHO-K1/GLP2/Gα15	Glucagon	GHSR	2 Vials	M00307	Quote
HEK293/GnRHR/NFAT/β-Lac	Gonadotropin-Releasing Hormone	GnRH	2 Vials	M00136	Quote
HEK293/H1	Histamine	H1	2 Vials	M00131	Quote
CHO-K1/H2/Gα15	Histamine	H2	2 Vials	M00306	Quote
HEK293/H2/CRE/Luc	Histamine	H2	2 Vials	M00132	Quote
HEK293/H3/Gα15	Histamine	H3	2 Vials	M00133	Quote
HEK293/H4/Gα16	Histamine	H4	2 Vials	M00134	Quote
CHO-K1/H4/Gα15	Histamine	H4	2 Vials	M00289	Quote
HEK293/MCH1	Melanin-concentrating Hormone	MCH1	2 Vials	M00211	Quote
HEK293/MCH2	Melanin-concentrating Hormone	MCH2	2 Vials	M00127	Quote
CHO-K1/MCH2	Melanin-concentrating Hormone	MCH2	2 Vials	M00280	Quote
CHO-K1/MC4/Gα15	Melanocortin	MC4	2 Vials	M00272	Quote
CHO-K1/MT2/Gα15	Melatonin	MT2	2 Vials	M00312	Quote
CHO-K1/NMU1	Neuromedin U	NMU1	2 Vials	M00191	Quote
CHO-K1/GPR103/Gα15	Neuropeptide	GPR103	2 Vials	M00321	Quote
CHO-K1/NTS1	Neurotensin	NTS1	2 Vials	M00194	Quote
CHO-K1/FPRL1/Gα15	N-Formyl Peptide	FPRL1	2 Vials	M00305	Quote
CHO-K1/OPRK1/Gα15	Opioid	OPRK1	2 Vials	M00290	Quote
CHO-K1/OPRM1/Gα15	Opioid	OPRM1	2 Vials	M00304	Quote
CHO-K1/OX1	Orexin	OX1	2 Vials	M00224	Quote
CHO-K1/OX2	Orexin	OX2	2 vials	M00316	Quote
CHO-K1/OXTR	Oxytocin	OT/OXTR	2 vials	M00195	Quote

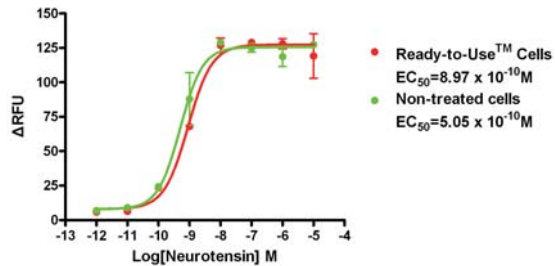
Product	Family	Receptor	Quantity	Cat. No.	Price
CHO-K1/PTH1/Gα15	Parathyroid Hormone	PTH1	2 Vials	M00315	Quote
HEK293/PTH1/CRE/β-Lac	Parathyroid Hormone	PTH1	2 Vials	M00148	Quote
HEK293/PTH2/CRE/β-Lac	Parathyroid Hormone	PTH2	2 Vials	M00141	Quote
CHO-K1/PTAFR	Platelet Activating Factor	PTAFR	2 Vials	M00262	Quote
HEK293/PAFR/NFAT/β-Lac	Platelet Activating Factor	PTAFR	2 Vials	M00147	Quote
HEK293/FP/Gα15	Prostanoid	FP	2 Vials	M00155	Quote
CHO-K1/IP1/Gα15	Prostanoid	IP1	2 Vials	M00310	Quote
HEK293/PTGER1	Prostanoid	PTGER1	2 Vials	M00228	Quote
CHO-K1/PTGER2/Gα15	Prostanoid	PTGER2	2 Vials	M00311	Quote
HEK293/TP	Prostanoid	TP	2 Vials	M00309	Quote
CHO-K1/PAR4	Proteinase-activated Receptor	PAR4	2 Vials	M00206	Quote
CHO-K1/5-HT2A	Serotonin	5-HT2A	2 Vials	M00251	Quote
CHO-K1/5-HT2B	Serotonin	5-HT2B	2 Vials	M00249	Quote
CHO-K1/5-HT2C	Serotonin	5-HT2C	2 Vials	M00253	Quote
CHO-K1/SST3/Gα15	Somatostatin	SST3	2 Vials	M00285	Quote
CHO-K1/SST5/Gα15	Somatostatin	SST5	2 Vials	M00286	Quote
1321N1/P2Y2	Purinergic	P2Y2	2 Vials	M00318	Quote
1321N1/P2Y4	Purinergic	P2Y4	2 Vials	M00297	Quote
1321N1/P2Y11	Purinergic	P2Y11	2 Vials	M00298	Quote
HEK293/SPR	Tachykinin	NK1/SPR	2 Vials	M00144	Quote
CHO-K1/NK1	Tachykinin	NK1/SPR	2 Vials	M00199	Quote
CHO-K1/NK2	Tachykinin	NK2	2 Vials	M00200	Quote
CHO-K1/NK3	Tachykinin	NK3	2 Vials	M00201	Quote
CHO-K1/TRH1	Thyrtropin-releasing Hormone	TRH1	2 Vials	M00202	Quote
CHO-K1/V1A	Vasopressin	V1A	2 Vials	M00181	Quote
CHO-K1/V1B	Vasopressin	V1B	2 Vials	M00205	Quote
CHO-K1/V2/Gα15	Vasopressin	V2	2 Vials	M00170	Quote
CHO-K1/CRE/Luc	Host Cell Line	N/A	2 Vials	M00187	Quote
HEK293/CRE/Luc	Host Cell Line	N/A	2 Vials	M00188	Quote

 For more information on Stable Cell Lines, visit http://www.genscript.com/cell_lines.html

Ready-to-Use™ Frozen Cell Lines

- **Reliability**—Each batch of Ready-to-Use™ Frozen Cells is validated according to stringent criteria to assure consistent results.
- **Convenience**—Ready-to-Use™ Frozen Cells can trim time and aggravation out of functional testing. Instead of engaging in a lengthy in-house culturing process, simply thaw the cells, plate them, and run the assays.
- **Variability Arrest**—Chemically treated cells with optimized protocol to alleviate biological variability.
- **Speed**—Assays can be finished within 24 hours after thawing the cells.

Cell-based assays can often be challenging and time-consuming. To smooth and streamline this complicated process, GenScript has developed a series of Ready-to-Use™ Frozen Cells that can be conveniently employed in functional GPCR receptor assays. GenScript scientists culture and freeze the cells using optimized protocols that can arrest cell growth to reduce variability in cellular assays.

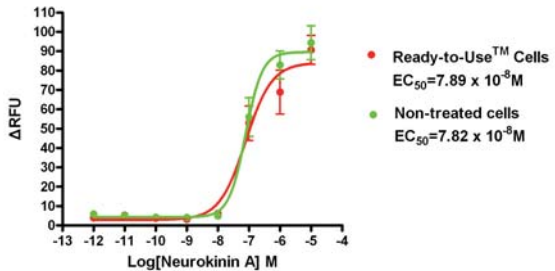


This diagram depicts the calcium dose-response of Neurotensin stimulation of CHO-K1/NTS1 Cells Ready-to-Use™ (●) and non-treated cells (●). The result showing an increase in intracellular calcium was measured on a FlexStation fluorescent plate reader. Data points represent the average +/- standard deviation of triplicate determinations.

Product Overview:

Product Name	Family	Receptor	Quantity	Cat. No.	Price
CHO-K1/M5 Cells Ready-to-Use™	Acetylcholine (muscarinic)	M5	1 Vial	M00175	\$280
CHO-K1/BB2 Cells Ready-to-Use™	Bombesin	BB2	1 Vial	M00178	\$280
CHO-K1/BB3 Cells Ready-to-Use™	Bombesin	BB3	1 Vial	M00164	\$280
CHO-K1/EDNRA Cells Ready-to-Use™	Endothelin	EDNRA	1 Vial	M00157	\$280
CHO-K1/EDNRB Cells Ready-to-Use™	Endothelin	EDNRB	1 Vial	M00158	\$280
CHO-K1/GHSR Cells Ready-to-Use™	Ghrelin	GHSR	1 Vial	M00180	\$280
HEK 293/H1 Cells Ready-to-Use™	Histamine	H1	1 Vial	M00162	\$280
CHO-K1/EDG8/Gα15 Cells Ready-to-Use™	Lysophospholipid	EDG8	1 Vial	M00159	\$280
CHO-K1/NMUR1 Cells Ready-to-Use™	Neuromedin U	NMU1	1 Vial	M00165	\$280
CHO-K1/NTSR1 Cells Ready-to-Use™	Neurotensin	NTS1	1 Vial	M00168	\$280
CHO-K1/OX1 Cells Ready-to-Use™	Orexin	OX1	1 Vial	M00267	\$280
CHO-K1/OXTR Cells Ready-to-Use™	Oxytocin	OT/OXTR	1 Vial	M00179	\$280
CHO-K1/PTAFR Cells Ready-to-Use™	Platelet Activating Factor	PAF/PTAFR	1 Vial	M00265	\$280
CHO-K1/NK1 Cells Ready-to-Use™	Tachykinin	NK1/SPR	1 Vial	M00161	\$280
CHO-K1/NK2 Cells Ready-to-Use™	Tachykinin	NK2	1 Vial	M00171	\$280
CHO-K1/NK3 Cells Ready-to-Use™	Tachykinin	NK3	1 Vial	M00266	\$280
CHO-K1/TRH1 Cells Ready-to-Use™	Thyrtropin-releasing Hormone	TRH1	1 Vial	M00264	\$280
CHO-K1/V1B Cells Ready-to-Use™	Vasopressin	V1B	1 Vial	M00223	\$280
CHO-K1/PAC1/Gα15 Cells Ready-to-Use™	VIP/PACAP	PAC1	1 Vial	M00231	\$280

 For more information on Frozen Cell Lines, visit http://www.genscript.com/ready-to-use_frozen_cells.html



This diagram depicts the calcium dose-response of Neurokinin A stimulation of CHO-K1/NK2 Cells Ready-to-Use™ (●) and non-treated cells (●). The result showing an increase in intracellular calcium was measured on a FlexStation fluorescent plate reader. Data points represent the average +/- standard deviation of triplicate determinations.

Reagents for Cell Analysis

GenScript provides abundant reagents and biological buffers for cell and biochemical assay. Monotetrazolium salts, which form a water-soluble formazan upon reduction, are suitable for anti-HIV and anti-tumor drug testing as well as for cell

proliferation assays. An improved colorimetric assay for cell proliferation and viability utilizing XTT has been reported. An XTT-based colorimetric cellular cytotoxicity assay for melanoma and other tumor cells has been reported.

Product Overview:

Product	Quantity	Cat. No.	Price
BPTAB	100 g	C01671	\$250
	500 g		\$625
	20000 g		\$7,500
BETAB	100 g	C01670	\$250
	500 g		\$625
	20000 g		\$7,500
DSAB	100 g	C01669	\$70
	500 g		\$176
	20000 g		\$2,106
DDAB	100 g	C01667	\$82
	500 g		\$206
	20000 g		\$2,466
Octyltrimethylammonium chloride	100 g	C01665	\$82
	500 g		\$206
	20000 g		\$2,466
HDBAC	100 g	C01664	\$70
	500 g		\$176
	20000 g		\$2,106
Ultra C14-alkylbenzyltrimethylammonium chloride	100 g	C01663	\$88
	500 g		\$221
	20000 g		\$2,646
EHDAB	100 g	C01662	\$88
	500 g		\$221
	20000 g		\$1,646
EDDAB	100 g	C01661	\$88
	500 g		\$221
	20000 g		\$2,646
STAB	100 g	C01660	\$70
	500 g		\$176
	20000 g		\$2,106
STAC	100 g	C01659	\$70
	500 g		\$176
	20000 g		\$2,106
CTAB	100 g	C01658	\$38
	500 g		\$94
	20000 g		\$1,128
CTAC	100 g	C01657	\$70
	500 g		\$176
	20000 g		\$2,106
TTAB	100 g	C01656	\$70
	500 g		\$176
	20000 g		\$2,106
DTAB	100 g	C01654	\$70
	500 g		\$176
	20000 g		\$2,106

Product	Quantity	Cat. No.	Price
DTAC	100 g	C01653	\$70
	500 g		\$176
	20000 g		\$2,106
103B	100 g	C01652	\$88
	500 g		\$221
	20000 g		\$2,646
103C	100 g	C01651	\$88
	500 g		\$221
	20000 g		\$2,646
MTT	1 g	C01678	\$175
	10 g		\$1,138
XTT	1 g	C01676	\$510
	10 g		\$3,600
WST-8	1 g	C01675	\$510
	10 g		\$3,600
WST-3	1 g	C01673	\$510
	10 g		\$3,600
WST-1	1 g	C01672	\$510
	10 g		\$3,600
TAPS Ultra	100 g	C01648	\$77
	500 g		\$270
	5000 g		\$1,887
	25000 g		\$6,603
TAPS	100 g	C01647	\$45
	500 g		\$158
	5000 g		\$1,103
	25000 g		\$3,859
MES potassium salt	100 g	C01632	\$71
	500 g		\$249
	5000 g		\$1,740
	25000 g		\$6,088
MES hemisodium salt	100 g	C01630	\$50
	500 g		\$176
	5000 g		\$1,230
	25000 g		\$4,305
MES free water	100 g	C01629	\$38
	500 g		\$132
	5000 g		\$926
	25000 g		\$3,241
BES Ultra	100 g	C01612	\$99
	500 g		\$345
	5000 g		\$2,421
	25000 g		\$8,472
BES	100 g	C01611	\$49
	500 g		\$170
	5000 g		\$1,196
	25000 g		\$4,185
ACES	100 g	C01609	\$37
	500 g		\$129
	5000 g		\$907
	25000 g		\$3,173

Custom Cell Line Services

GenScript offers a wide selection of GPCR and ion channel stable cell lines. Proprietary codon optimization and vector design technologies enable GenScript to overcome low

functional expression of protein at the cell surface. All cell lines have been optimized for S/N ratio in calcium flux assay or other assays and shown stability after over 16 passages.

Service	Cat. No.	Price
Custom Stable Cell Line Service	SC1394	Quote

GPCR Assay Service

GPCR, G protein-coupled receptor, is the largest known category of molecular targets with verified therapeutic value. It is comprised of approximately 600 - 1,000 members. Currently, a great percentage of pharmaceutical drugs targets GPCRs for treatment of many diseases such as pain, asthma, hypertension, as well as immunological and neurological disorders. To meet the demands of GPCR screening and profiling,

GenScript not only provides a comprehensive collection of GPCR and parental cell lines, but also is able to construct advanced instrumentation and versatile assay platforms, GenScript brings a total solution for your biochemical and cell-based GPCR assays and speed up your drug discovery.

Assay Setup Showcases:

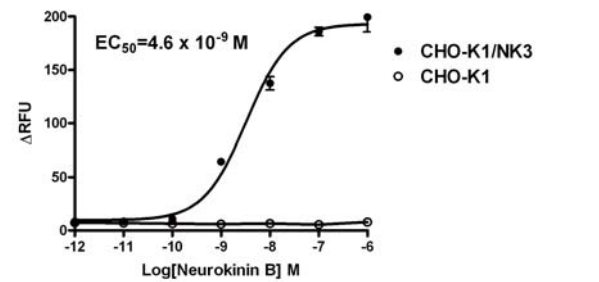


Fig. 1. Shown above are intracellular calcium responses from CHO-K1 cells stably expressing human NK3 Neurokinin receptors and from untransfected control cells. Cells were loaded with Calcium-4 and then stimulated with the indicated concentrations of Neurokinin B. Calcium responses were recorded on a FlexStation plate reader. Data represent the average +/- standard deviation of triplicate determinations.

Service	Cat. No.	Price
Custom GPCR Assay Service	SC1402	Quote

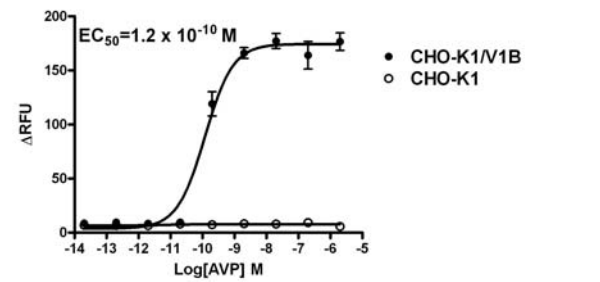


Fig. 2. Shown above are the intracellular calcium responses of CHO-K1 cells stably expressing human arginine vasopressin (AVP) receptor 1B and of untransfected control cells. Cells were loaded with Calcium-4 and then stimulated with the indicated concentrations of AVP. Calcium responses were recorded on a FlexStation plate reader. Data represent the average +/- standard deviation of triplicate determinations.

Ion Channel Assay Service

GenScript's proprietary assay techniques and novel expression technologies can circumvent two of the major challenges associated with the search for novel ion channel drugs: low protein expression levels and the limitations of traditional high-throughput screening (HTS). Our comprehensive ion channel services include assay development, primary screening, secondary screening, specificity assay and HTS conversion. Equipped with state-of-the-art facilities, GenScript can offer various methodologies such as fluorometry, electrophysiology, and radioactivity to obtain top-quality and reliable data. Based on the methodologies, GenScript has gained extensive expertise on ion channel assays covering a wide range of ion channel targets such as calcium channels, potassium channels, sodium channels, and chloride channels. To expedite your drug discovery process, GenScript offers a variety of stable cell line products in our catalog, and a comprehensive collection of custom reagent services for gene, protein, peptide, and antibody.

Assay Setup Showcases:

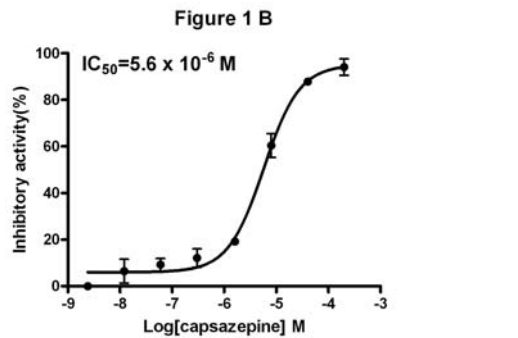
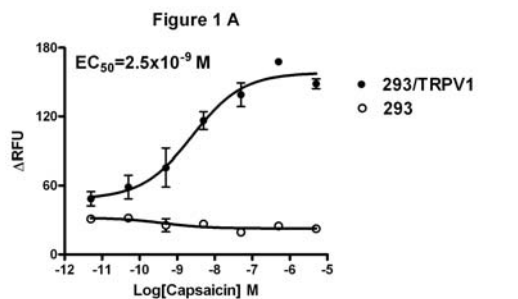


Fig. 1. Dose-response relationship of TRPV1 agonist and antagonist in calcium influx assay. Changes in relative fluorescence units (RFU) are shown in (A) Dose-response relationship of capsaicin to 293/TRPV1 and 293 control cells. Cells were incubated with Calcium-4 and then stimulated with the indicated concentrations of capsaicin. (B) Dose-response relationship of capsazepine to 293/TRPV1 cells. Cells were incubated with Calcium-4 and indicated concentrations of capsazepine for 1 hour, then stimulated with 50 μM capsaicin. Calcium responses were recorded on a FlexStationIII plate reader. Data represent the average +/- standard deviation of triplicate determinations.

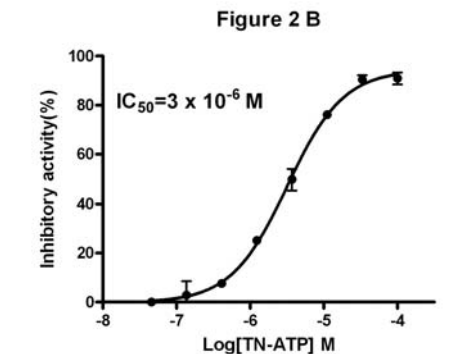
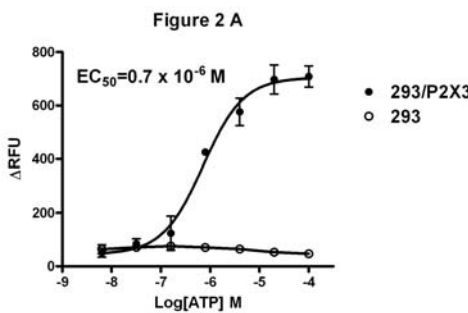


Fig. 2. Dose-response relationship of P2X3 agonist and antagonist in membrane potential assay. Changes in relative fluorescence units (RFU) are shown in (A) Dose-response relationship of ATP to 293/P2X3 and 293 control cells. Cells were loaded with membrane potential sensitive dye (Molecular Devices) and then stimulated with the indicated concentrations of ATP. (B) Dose-response relationship of TN-ATP to 293/P2X3 cells. Cells were incubated with membrane potential sensitive dye (Molecular Devices) and indicated concentrations of TN-ATP for 45 minutes, then stimulated with 50 μM ATP. Calcium responses were recorded on a FlexStationIII plate reader. Data represent the average +/- standard deviation of triplicate determinations.

Service	Cat. No.	Price
Custom Ion Channel Assay Service	SC1403	Quote

Quotations and Ordering:

Quotations and orders may be placed by email, phone, or fax with either a formal PO (Purchase Order) or credit card. Please choose the most convenient ordering method.

	Quotation Form: Obtainable on our website
	Email: bioassay@genscript.com
	Phone: 1-877-436-7274 (Toll-Free); 1-732-885-9188
	Fax: 1-732-210-0262; 1-732-885-5878
	Secured Web Server: https://www.genscript.com/ssl-bin/secure_data

Product List

Cellular Analysis Kits List

Product	Quantity	Cat. No.	Price
Mitochondrial Apoptosis Detection Kit (JC-1)	1 Kit (100 Assays)	L00291	\$140
Double Stain Apoptosis Detection Kit (Hoechst 33342/PI)	1 Kit (100 Assays)	L00309	\$99
Cell Apoptosis DAPI Detection Kit	1 Kit (100 Assays)	L00312	\$199
Cell Apoptosis PI Detection Kit	1 Kit (100 Assays)	L00311	\$149
Caspase-2 Colorimetric Assay Kit	1 Kit (100 Assays)	L00294	\$275
Caspase-3 Colorimetric Assay Kit	1 Kit (100 Assays)	L00289	\$275
Caspase-6 Colorimetric Assay Kit	1 Kit (100 Assays)	L00302	\$275
Caspase-8 Colorimetric Assay Kit	1 Kit (100 Assays)	L00303	\$275
Caspase-9 Colorimetric Assay Kit	1 Kit (100 Assays)	L00304	\$275
Annexin V-EGFP Apoptosis Detection Kit	1 Kit (100 Assays)	L00288	\$598
TUNEL Universal Apoptosis Detection Kit (Biotin-labeled POD)	1 Kit (100 Assays)	L00290	\$598
TUNEL Apoptosis Detection Kit (Adherent Cell, Biotin-labeled POD)	1 Kit (100 Assays)	L00296	\$598
TUNEL Apoptosis Detection Kit (Paraffin-embedded Tissue Section, Biotin-labeled POD)	1 Kit (100 Assays)	L00297	\$598
TUNEL Apoptosis Detection Kit (Cryopreserved Tissue Section, Biotin-labeled POD)	1 Kit (100 Assays)	L00298	\$598
TUNEL Apoptosis Detection Kit (Adherent Cell, FITC-labeled POD)	1 Kit (100 Assays)	L00299	\$598
TUNEL Apoptosis Detection Kit (Paraffin-embedded Tissue Section, FITC-labeled POD)	1 Kit (100 Assays)	L00300	\$598
TUNEL Apoptosis Detection Kit (Cryopreserved Tissue Section, FITC-labeled POD)	1 Kit (100 Assays)	L00301	\$598
Cell Cycle Analysis Kit	1 Kit (50 Assays)	L00287	\$88
Quick Cell Proliferation Testing Solution	1,000 Assays	L00235	\$120
BPTAB	100 g	C01671	\$250
	500 g		\$625
	20000 g		\$7,500
BETAB	100 g	C01670	\$250
	500 g		\$625
	20000 g		\$7,500
DSAB	100 g	C01669	\$70
	500g		\$176
	20000 g		\$2,106
DDAB	100 g	C01667	\$82
	500 g		\$206
	20000 g		\$2,466
Octyltrimethylammonium chloride	100 g	C01665	\$82
	500 g		\$206
	20000 g		\$2,466
HDBAC	100 g	C01664	\$70
	500 g		\$176
	20000 g		\$2,106
Ultra C14-alkylbenzyltrimethylammonium chloride	100 g	C01663	\$88
	500 g		\$221
	20000 g		\$2,646
EHDAB	100 g	C01662	\$88
	500 g		\$221
	20000 g		\$1,646
EDDAB	100 g	C01661	\$88
	500 g		\$221
	20000 g		\$2,646

Product	Quantity	Cat. No.	Price
STAB	100 g	C01660	\$70
	500g		\$176
	20000 g		\$2,106
STAC	100 g	C01659	\$70
	500 g		\$176
	20000 g		\$2,106
CTAB	100 g	C01658	\$38
	500 g		\$94
	20000 g		\$1,128
CTAC	100 g	C01657	\$70
	500 g		\$176
	20000 g		\$2,106
TTAB	100 g	C01656	\$70
	500 g		\$176
	20000 g		\$2,106
DTAB	100 g	C01654	\$70
	500 g		\$176
	20000 g		\$2,106
DTAC	100 g	C01653	\$70
	500 g		\$176
	20000 g		\$2,106
103B	100 g	C01652	\$88
	500 g		\$221
	20000 g		\$2,646
103C	100 g	C01651	\$88
	500 g		\$221
	20000 g		\$2,646
MTT	1 g	C01678	\$175
	10 g		\$1,138
XTT	1 g	C01676	\$510
	10 g		\$3,600
WST-8	1 g	C01675	\$510
	10 g		\$3,600
WST-3	1 g	C01673	\$510
	10 g		\$3,600
WST-1	1 g	C01672	\$510
	10 g		\$3,600
TAPS Ultra	100 g	C01648	\$77
	500 g		\$270
	5000 g		\$1,887
	25000 g		\$6,603
TAPS	100 g	C01647	\$45
	500 g		\$158
	5000 g		\$1,103
	25000 g		\$3,859
MES potassium salt	100 g	C01632	\$71
	500 g		\$249
	5000 g		\$1,740
	25000 g		\$6,088
MES hemisodium salt	100 g	C01630	\$50
	500 g		\$176
	5000 g		\$1,230
	25000 g		\$4,305

Product	Quantity	Cat. No.	Price
MES free water	100 g	C01629	\$38
	500 g		\$132
	5000 g		\$926
	25000 g		\$3,241
BES Ultra	100 g	C01612	\$99
	500 g		\$345
	5000 g		\$2,421
	25000 g		\$8,472
BES	100 g	C01611	\$49
	500 g		\$170
	5000 g		\$1,196
	25000 g		\$4,185
ACES	100 g	C01609	\$37
	500g		\$130
	5000 g		\$907
	25000 g		\$3,173

Cell Lines List

Product Name	Family	Receptor	Quantity	Cat. No.	Price
CHO-K1/M1	Acetylcholine (muscarinic)	M1	2 Vials	M00185	Quote
HEK293/M1	Acetylcholine (muscarinic)	M1	2 Vials	M00135	Quote
CHO-K1/M3	Acetylcholine (muscarinic)	M3	2 Vials	M00259	Quote
CHO-K1/M5	Acetylcholine (muscarinic)	M5	2 Vials	M00186	Quote
CHO-K1/A1/Gα15	Adenosine	A1	2 Vials	M00324	Quote
CHO-K1/ADRA1A	Adrenoceptors	ADRA1A	2 Vials	M00225	Quote
CHO-K1/ADRA1B	Adrenoceptors	ADRA1B	2 Vials	M00260	Quote
CHO-K1/ADRB1/Gα15	Adrenoceptors	ADRB1	2 Vials	M00269	Quote
CHO-K1/ADRB2/Gα15	Adrenoceptors	ADRB2	2 Vials	M00308	Quote
CHO-K1/BB2	Bombesin	BB2	2 Vials	M00182	Quote
CHO-K1/BB3	Bombesin	BB3	2 Vials	M00183	Quote
CHO-K1/B2/Gα15	Bradykinin	B2	2 Vials	M00184	Quote
CHO-K1/CALCR/Gα15	Calcitonin	CALCR	2 Vials	M00320	Quote
CHO-K1/CMKLR1/Gα15	Chemoattractant	CMKLR1	2 Vials	M00301	Quote
CHO-K1/CCKA/Gα15	Cholecystokinin	CCKA	2 Vials	M00271	Quote
CHO-K1/CCKB	Cholecystokinin	CCKB	2 Vials	M00154	Quote
CHO-K1/CRF2/Gα15	Corticotropin Releasing Factor	CRF2	2 Vials	M00208	Quote
HEK293/D1/CRE/β-Lac	Dopamine	D1	2 Vials	M00128	Quote
CHO-K1/D2/Gα15	Dopamine	D2	2 Vials	M00152	Quote
HEK293/D2/Gα15	Dopamine	D2	2 Vials	M00129	Quote
CHO-K1/D2s/Gα15	Dopamine	D2s	2 Vials	M00274	Quote
HEK293/D5/CRE/β-Lac	Dopamine	D5	2 Vials	M00130	Quote
CHO-K1/EDNRA	Endothelin	EDNRA	2 Vials	M00149	Quote
CHO-K1/EDNRB	Endothelin	EDNRB	2 Vials	M00150	Quote
CHO-K1/GPR40-GFP	Free Fatty Acid	FFA1/GPR40	2 Vials	M00263	Quote
CHO-K1/GPR40/Gα15	Free Fatty Acid	FFA1/GPR40	2 Vials	M00273	Quote
HEK293/GPR40/NFAT/β-Lac	Free Fatty Acid	FFA1/GPR40	2 Vials	M00137	Quote
CHO-K1/GAL1/Gα15	Galanin	GAL1	2 Vials	M00277	Quote
CHO-K1/GAL2	Galanin	GAL2	2 Vials	M00209	Quote
CHO-K1/GHSR	Galanin	GAL1	2 Vials	M00189	Quote
CHO-K1/GLP2/Gα15	Glucagon	GHSR	2 Vials	M00307	Quote

Product Name	Family	Receptor	Quantity	Cat. No.	Price
HEK293/GnRHR/NFAT/β-Lac	Gonadotropin-Releasing Hormone	GnRH	2 Vials	M00136	Quote
HEK293/H1	Histamine	H1	2 Vials	M00131	Quote
CHO-K1/H2/Gα15	Histamine	H2	2 Vials	M00306	Quote
HEK293/H2/CRE/Luc	Histamine	H2	2 Vials	M00132	Quote
HEK293/H3/Gα15	Histamine	H3	2 Vials	M00133	Quote
HEK293/H4/Gα16	Histamine	H4	2 Vials	M00134	Quote
CHO-K1/H4/Gα15	Histamine	H4	2 Vials	M00289	Quote
HEK293/MCH1	Melanin-concentrating Hormone	MCH1	2 Vials	M00211	Quote
HEK293/MCH2	Melanin-concentrating Hormone	MCH2	2 Vials	M00127	Quote
CHO-K1/MCH2	Melanin-concentrating Hormone	MCH2	2 Vials	M00280	Quote
CHO-K1/MC4/Gα15	Melanocortin	MC4	2 Vials	M00272	Quote
CHO-K1/MT2/Gα15	Melatonin	MT2	2 Vials	M00312	Quote
CHO-K1/NMU1	Neuromedin U	NMU1	2 Vials	M00191	Quote
CHO-K1/GPR103/Gα15	Neuropeptide	GPR103	2 Vials	M00321	Quote
CHO-K1/NTS1	Neurotensin	NTS1	2 Vials	M00194	Quote
CHO-K1/FPRL1/Gα15	N-Formyl Peptide	FPRL1	2 Vials	M00305	Quote
CHO-K1/OPRK1/Gα15	Opioid	OPRK1	2 Vials	M00290	Quote
CHO-K1/OPRM1/Gα15	Opioid	OPRM1	2 Vials	M00304	Quote
CHO-K1/OX1	Orexin	OX1	2 Vials	M00224	Quote
CHO-K1/OX2	Orexin	OX2	2 Vials	M00316	Quote
CHO-K1/OXTR	Oxytocin	OT/OXTR	2 Vials	M00195	Quote
CHO-K1/PTH1/Gα15	Parathyroid Hormone	PTH1	2 Vials	M00315	Quote
HEK293/PTHR1/CRE/β-Lac	Parathyroid Hormone	PTH1	2 Vials	M00148	Quote
HEK293/PTHR2/CRE/β-Lac	Parathyroid Hormone	PTH2	2 Vials	M00141	Quote
CHO-K1/PTAFR	Platelet Activating Factor	PTAFR	2 Vials	M00262	Quote
HEK293/PAFR/NFAT/β-Lac	Platelet Activating Factor	PTAFR	2 Vials	M00147	Quote
HEK293/FP/Gα15	Prostanoid	FP	2 Vials	M00155	Quote
CHO-K1/IP1/Gα15	Prostanoid	IP1	2 Vials	M00310	Quote
HEK293/PTGER1	Prostanoid	PTGER1	2 Vials	M00228	Quote
CHO-K1/PTGER2/Gα15	Prostanoid	PTGER2	2 Vials	M00311	Quote
HEK293/TP	Prostanoid	TP	2 Vials	M00309	Quote
CHO-K1/PAR4	Proteinase-activated Receptor	PAR4	2 Vials	M00206	Quote
CHO-K1/5-HT2A	Serotonin	5-HT2A	2 Vials	M00251	Quote
CHO-K1/5-HT2B	Serotonin	5-HT2B	2 Vials	M00249	Quote
CHO-K1/5-HT2C	Serotonin	5-HT2C	2 Vials	M00253	Quote
CHO-K1/SST3/Gα15	Somatostatin	SST3	2 Vials	M00285	Quote
CHO-K1/SST5/Gα15	Somatostatin	SST5	2 Vials	M00286	Quote
1321N1/P2Y2	Purinergic	P2Y2	2 Vials	M00318	Quote
1321N1/P2Y4	Purinergic	P2Y4	2 Vials	M00297	Quote
1321N1/P2Y11	Purinergic	P2Y11	2 Vials	M00298	Quote
HEK293/SPR	Tachykinin	NK1/SPR	2 Vials	M00144	Quote
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CHO-K1/NK2	Tachykinin	NK2	2 Vials	M00200	Quote
CHO-K1/NK3	Tachykinin	NK3	2 Vials	M00201	Quote
CHO-K1/TRH1	Thyrtropin-releasing Hormone	TRH1	2 Vials	M00202	Quote
CHO-K1/V1A	Vasopressin	V1A	2 Vials	M00181	Quote
CHO-K1/V1B	Vasopressin	V1B	2 Vials	M00205	Quote
CHO-K1/V2/Gα15	Vasopressin	V2	2 Vials	M00170	Quote
CHO-K1/CRE/Luc	Host Cell Line	N/A	2 Vials	M00187	Quote
HEK293/CRE/Luc	Host Cell Line	N/A	2 Vials	M00188	Quote
CHO-K1/M5 Cells Ready-to-Use™	Acetylcholine (muscarinic)	M5	1 Vial	M00175	\$280
CHO-K1/BB2 Cells Ready-to-Use™	Bombesin	BB2	1 Vial	M00178	\$280
CHO-K1/BB3 Cells Ready-to-Use™	Bombesin	BB3	1 Vial	M00164	\$280
CHO-K1/EDNRA Cells Ready-to-Use™	Endothelin	EDNRA	1 Vial	M00157	\$280
CHO-K1/EDNRB Cells Ready-to-Use™	Endothelin	EDNRB	1 Vial	M00158	\$280

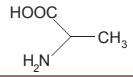
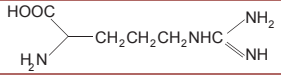
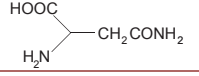
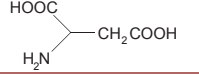
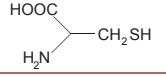
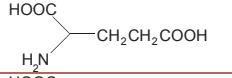
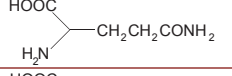
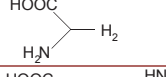
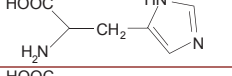
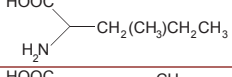
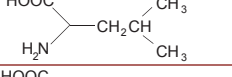
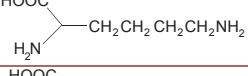
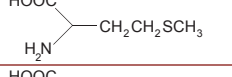
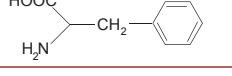
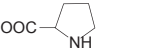
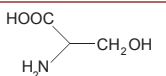
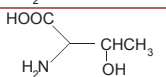
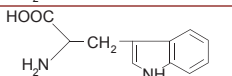
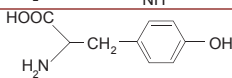
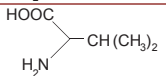
Product Name	Family	Receptor	Quantity	Cat. No.	Price
CHO-K1/GHSR Cells Ready-to-Use™	Ghrelin	GHSR	1 Vial	M00180	\$280
HEK 293/H1 Cells Ready-to-Use™	Histamine	H1	1 Vial	M00162	\$280
CHO-K1/EDG8/Gα15 Cells Ready-to-Use™	Lysophospholipid	EDG8	1 Vial	M00159	\$280
CHO-K1/NMUR1 Cells Ready-to-Use™	Neuromedin U	NMU1	1 Vial	M00165	\$280
CHO-K1/NTSR1 Cells Ready-to-Use™	Neurotensin	NTS1	1 Vial	M00168	\$280
CHO-K1/OX1 Cells Ready-to-Use™	Orexin	OX1	1 Vial	M00267	\$280
CHO-K1/OXTR Cells Ready-to-Use™	Oxytocin	OT/OXTR	1 Vial	M00179	\$280
CHO-K1/PTAFR Cells Ready-to-Use™	Platelet Activating Factor	PAF/PTAFR	1 Vial	M00265	\$280
CHO-K1/NK1 Cells Ready-to-Use™	Tachykinin	NK1/SPR	1 Vial	M00161	\$280
CHO-K1/NK2 Cells Ready-to-Use™	Tachykinin	NK2	1 Vial	M00171	\$280
CHO-K1/NK3 Cells Ready-to-Use™	Tachykinin	NK3	1 Vial	M00266	\$280
CHO-K1/TRH1 Cells Ready-to-Use™	Thyrtropin-releasing Hormone	TRH1	1 Vial	M00264	\$280
CHO-K1/V1B Cells Ready-to-Use™	Vasopressin	V1B	1 Vial	M00223	\$280
CHO-K1/PAC1/Gα15 Cells Ready-to-Use™	VIP/PACAP	PAC1	1 Vial	M00231	\$280



Appendix

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Amino Acids Table

Amino Acid	Three-Letter Code	Single-Letter Code	Formula	FW	Charge at pH 6.0-7.0	Structure
Alanine	Ala	A	C ₃ H ₇ NO ₂	89.1	Neutral	
Arginine	Arg	R	C ₆ H ₁₄ N ₄ O ₂	174.2	Basic (+ve)	
Asparagine	Asn	N	C ₄ H ₈ N ₂ O ₃	132.1	Neutral	
Aspartic Acid	Asp	D	C ₄ H ₇ NO ₄	133.1	Acidic (-ve)	
Cysteine	Cys	C	C ₃ H ₇ NO ₂ S	121.2	Neutral	
Glutamic Acid	Glu	E	C ₅ H ₉ NO ₄	147.1	Acidic (-ve)	
Glutamine	Gln	Q	C ₅ H ₁₀ N ₂ O ₃	146.1	Neutral	
Glycine	Gly	G	C ₂ H ₅ NO ₂	75.1	Neutral	
Histidine	His	H	C ₆ H ₉ N ₃ O ₂	155.2	Basic (+ve)	
Isoleucine	Ile	I	C ₆ H ₁₃ NO ₂	131.2	Neutral	
Leucine	Leu	L	C ₆ H ₁₃ NO ₂	131.2	Neutral	
Lysine	Lys	K	C ₆ H ₁₄ N ₂ O ₂	146.2	Basic (+ve)	
Methionine	Met	M	C ₅ H ₁₁ NO ₂ S	149.2	Neutral	
Phenylalanine	Phe	F	C ₉ H ₁₁ NO ₂	165.2	Neutral	
Proline	Pro	P	C ₅ H9NO ₂	115.1	Neutral	
Serine	Ser	S	C ₃ H ₇ NO ₃	105.1	Neutral	
Threonine	Thr	T	C ₄ H ₉ NO ₃	119.1	Neutral	
Tryptophan	Trp	W	C ₁₁ H ₁₂ N ₂ O ₂	204.2	Neutral	
Tyrosine	Tyr	Y	C ₉ H ₁₁ NO ₃	181.2	Neutral	
Valine	Val	V	C ₅ H ₁₁ NO ₂	117.1	Neutral	

Amino Acid	Formula	FW	Middle Unit Residue (-H2O)		Charge at pH 6.0-7.0	Hydrophobic (non-polar)	Uncharged (polar)	Hydrophilic (polar)
			Formula	FW				
Alanine	C ₃ H ₇ NO ₂	89.1	C ₃ H ₅ NO	71.1	Neutral	✦		
Arginine	C ₆ H ₁₄ N ₄ O ₂	174.2	C ₆ H ₁₂ N ₄ O	156.2	Basic (+ve)			✦
Asparagine	C ₄ H ₈ N ₂ O ₃	132.1	C ₄ H ₆ N ₂ O ₂	114.1	Neutral		✦	
Aspartic Acid	C ₄ H ₇ NO ₄	133.1	C ₄ H ₅ NO ₃	115.1	Acidic (-ve)			✦
Cysteine	C ₃ H ₇ NO ₂ S	121.2	C ₃ H ₅ NOS	103.2	Neutral		✦	
Glutamic Acid	C ₅ H ₉ NO ₄	147.1	C ₅ H ₇ NO ₃	129.1	Acidic (-ve)			✦
Glutamine	C ₅ H ₁₀ N ₂ O ₃	146.1	C ₅ H ₈ N ₂ O ₂	128.1	Neutral		✦	
Glycine	C ₂ H ₅ NO ₂	75.1	C ₂ H ₃ NO	57.1	Neutral		✦	
Histidine	C ₆ H ₉ N ₃ O ₂	155.2	C ₆ H ₇ N ₃ O	137.2	Basic (+ve)			✦
Isoleucine	C ₆ H ₁₃ NO ₂	131.2	C ₆ H ₁₁ NO	113.2	Neutral	✦		
Leucine	C ₆ H ₁₃ NO ₂	131.2	C ₆ H ₁₁ NO	113.2	Neutral	✦		
Lysine	C ₆ H ₁₄ N ₂ O ₂	146.2	C ₆ H ₁₂ N ₂ O	128.2	Basic (+ve)			✦
Methionine	C ₅ H ₁₁ NO ₂ S	149.2	C ₅ H ₉ NOS	131.2	Neutral	✦		
Phenylalanine	C ₉ H ₁₁ NO ₂	165.2	C ₉ H ₉ NO	147.2	Neutral	✦		
Proline	C ₅ H ₉ NO ₂	115.1	C ₅ H ₇ NO	97.1	Neutral	✦		
Serine	C ₃ H ₇ NO ₃	105.1	C ₃ H ₅ NO ₂	87.1	Neutral		✦	
Threonine	C ₄ H ₉ NO ₃	119.1	C ₄ H ₇ NO ₂	101.1	Neutral		✦	
Tryptophan	C ₁₁ H ₁₂ N ₂ O ₂	204.2	C ₁₁ H ₁₀ N ₂ O	186.2	Neutral	✦		
Tyrosine	C ₉ H ₁₁ NO ₃	181.2	C ₉ H ₉ NO ₂	163.2	Neutral		✦	
Valine	C ₅ H ₁₁ NO ₂	117.1	C ₅ H ₉ NO	99.1	Neutral	✦		

Atomic Weights of the Elements

Element	Symbol	Atomic Number	Atomic Weight
Actinium	Ac	89	227.02
Aluminium	Al	13	26.98
Americium	Am	95	(243.06)
Antimony	Sb	51	121.75
Argon	Ar	18	39.94
Arsenic	As	33	74.92
Astatine	At	85	(209.98)
Barium	Ba	56	137.32
Berkelium	Bk	97	(247.07)
Beryllium	Be	4	9.01
Bismuth	Bi	83	208.98
Boron	B	5	10.81
Bromine	Br	35	79.90
Cadmium	Cd	48	112.41
Calcium	Ca	20	40.07
Californium	Cf	98	(251.07)
Carbon	C	6	12.01
Cerium	Ce	58	140.11
Cesium	Cs	55	132.90
Chlorine	Cl	17	35.45
Chromium	Cr	24	51.99
Cobalt	Co	27	58.93
Copper	Cu	29	63.54

Element	Symbol	Atomic Number	Atomic Weight
Curium	Cm	96	(247.07)
Dysprosium	Dy	66	162.50
Einsteinium	Es	99	(252.08)
Erbium	Er	68	167.26
Fluorine	F	9	18.99
Francium	Fr	87	(223.01)
Gadolinium	Gd	64	157.25
Gallium	Ga	31	69.72
Germanium	Ge	32	72.61
Gold	Au	79	196.96
Hafnium	Hf	72	178.49
Helium	He	2	4.00
Holmium	Ho	67	164.93
Hydrogen	H	1	1.00
Indium	In	49	114.82
Iodine	I	53	126.90
Iridium	Ir	77	192.22
Iron	Fe	26	55.84
Krypton	Kr	36	83.80
Lanthanum	La	57	138.90
Lawrencium	Lr	103	(262.11)
Lead	Pb	82	207.2
Lithium	Li	3	6.94

Element	Symbol	Atomic Number	Atomic Weight
Lutetium	Lu	71	174.96
Magnesium	Mg	12	24.30
Manganese	Mn	25	54.93
Mendelevium	Md	101	(258.10)
Mercury	Hg	80	200.59
Molybdenum	Mo	42	95.94
Neodymium	Nd	60	144.24
Neon	Ne	10	20.17
Europium	Eu	63	151.96
Fermium	Fm	100	(257.09)
Niobium	Nb	41	92.90
Nitrogen	N	7	14.00
Nobelium	No	102	(259.10)
Osmium	Os	76	190.2
Oxygen	O	8	15.99
Palladium	Pd	46	106.42
Phosphorus	P	15	30.97
Platinum	Pt	78	195.08
Plutonium	Pu	94	(244.06)
Polonium	Po	84	(208.98)
Potassium	K	19	39.09
Praseodymium	Pr	59	140.90
Promethium	Pm	61	(144.91)
Protactinium	Pa	91	(231.03)
Radium	Ra	88	(226.02)
Radon	Rn	86	(222.01)
Rhenium	Re	75	186.20
Rhodium	Rh	45	102.90
Rubidium	Rb	37	85.46
Ruthenium	Si	44	101.07

Element	Symbol	Atomic Number	Atomic Weight
Samarium	Ru	62	150.36
Scandium	Sm	21	44.95
Selenium	Sc	34	78.96
Silicon	Se	14	28.08
Neptunium	Np	93	(237.04)
Nickel	Ni	28	58.69
Silver	Ag	47	107.86
Sodium	Na	11	22.98
Strontium	Sr	38	87.62
Sulfur	S	16	32.06
Tantalum	Ta	73	180.94
Technetium	Tc	43	(97.90)
Tellurium	Te	52	127.60
Terbium	Tb	65	158.92
Thallium	Tl	81	204.38
Thorium	Th	90	232.03
Thulium	Tm	69	168.93
Tin	Sn	50	118.71
Titanium	Ti	22	47.88
Tungsten	W	74	183.85
Unnilhexium	Unh	106	(263.11)
Unnilquadium	Unq	104	(261.11)
Unnilpentium	Unp	105	(262.11)
Unnilseptium	Uns	107	(262.12)
Uranium	U	92	238.02
Vanadium	V	23	50.94
Xenon	Xe	54	131.29
Ytterbium	Yb	70	173.04
Yttrium	Y	39	88.90
Zinc	Zn	30	65.39

Genetic Markers in E.coli

Symbol	Description	Effect of Mutation
ara-14	Mutation in arabinose metabolism	Blocks arabinose catabolism.
araD	L-ribulose phosphate 4-epimerase mutation;part of an inducible operon araBAD repressed by L-arabinose	Blocks arabinose catabolism.
argA	N-Acetylglutamate synthas mutation; inhibited by the presence of arginine	Arginine required from growth inminimal media.
cycA	Mutation of a gene product involved in D-alanine, glycine,D-serine and D-cyloserine transport, and an L-alanine carrier	Mutants cannot use D-alanine as a carbon source.
dam	DNA adenine methylase mutation	Blocks methylation of adenine residues in the sequence 5'...GmATC...3'.
dapD	Succinyl-diaminopimelate aminotransferase mutation	Mutant reflects impaired synthesis of succinyl CoA and needs to be supplemented with succinate or lysine+methionine.
dcm	DNA cytosine methylase mutation	Blocks methylation of cytosine in the sequence 5'...CmCAGG...3'or 5'...CmCTGG...3'.
deoC	Deoxyribose-phosphate aldolase mutation	
deoR	Regulatory gene mutation allowing constitutive expression of genes for deoxyribose synthesis	Allows efficient propagation of large plasmids.

Symbol	Description	Effect of Mutation
dut1	Mutation of deoxyuridine triphosphatase, which catalyzes the conversion of dUTP to dUMP and PPi	Mutants are impaired in conversion of dUTP to dUMP, leading to higher dUTP pools, which can lead to misincorporation of uracil instead of thymidine. Stable incorporation of dUTP needs mutation in ung gene.
endA1	DNA-specific endonuclease I mutation	Improves quality of plasmid DNA isolations.
galE	Part of the galETK operon that encodes UDP galactose -4- epimerase	Mutant is more resistant to bacteriophage P1 infection.
galk	Galactokinase mutation	Blocks catabolism of galactose.
galT	Galactose-1-phosphate uridylyltransferase mutation	Blocks catabolism of galactose.
	DNA gyrase mutation	Confers resistance to nalidixic acid.
gyrA96	Protease mutation that leads to stabilization of cII gene products	Leads to high frequency of lysogeny by λ phages(1).
hflA150	Gene encodes a possible protease component	Mutations lead to high frequency fo bacteriophage lambda lysogenization.
hflB		
hsdR	Host DNA restriction and methylation system mutation. Restriction minus,modification positive for the E.coli K strain methylation system	Allows cloning without cleavage of transformed DNA by endogenous restriction endonucleases. DNA prepared from this strain can be used to transform rk+E.coli strains.
hsdS20	Mutation of specificity determinant for host DNA restriction and methylation system.Restriction minus,modification minus for the E.coli B strain methylation system	Allows cloning without cleavage of transformed DNA by endogenous restriction endonucleases. DNA prepared from this strain is unmethylated by the hsdS20 methylases.
	Overproduction of the lac repressor protein	Leads to high levels of the lac repressor protein, inhibiting transcription from the lac promoter.
lacI ^q		
lacY	Galactoside permease mutation	Blocks lactose utilization.
lacZΔM15	Partial deletion of β-D-galactosidase gene	Allows complementation of β-galactosidase activity by α-complementation sequence in pGEM®-Z Vectors. Allows blue/white selection for recombinant colonies when plated on X-Gal.
leuB	β-isopropylmalate dehydrogenase mutation	Requires leucine for growth on minimal media.
Δ(lon)	Deletion of lon protease	Reduces proteolysis of expressed proteins.
LysS	pLyS plasmid is integrated into the host genome	Strains carrying this plasmid will be tet resistant and produce T7 lysozyme, a natural inhibitor of T7RNA polymerase, thus lowering background transcription of sequecneces under the control of the T7 RNA polymerase promoter(2).
mcrA	Mutation in methylcytosine restriction system	Blocks restriction of DNA methylated at the sequence 5'...GmCGC...3'.
mcrB	Mutation in methylcytosine restriction system	Blocks restriction of DNA methylated at the sequence 5'...AGmCT...3'.
metB	Cystathionine γ-synthase mutation	Requires methionine for growth on minimal media.
metC	Cystathionine beta-lyase mutation; involved in methionine biosynthesis	Requires methionine for growth on minimal media.
mtl	Mutation in mannitol metabolism	Blocks catabolism of mannitol.
mutS	Methyl-directed mismatch repair mutation	Prevents repair of the newly synthesized, unmethylated strand.
ompT	Mutation of protease VII, an outer membrane protein	Reduces proteolysis of expressed proteins.
P2	P2 bacteriophage lysogen present in host	λ phages containing the red and gam genes of λ aregrowth inhibited by P2 lysogens(3).
proA	γ-glutamyl phosphate reductase mutation	proA/argD mutant will not block proline synthesis but will be repressed by arginine. Mutants excrete proline on minimal media and are resistant to proline analogs. proA/argD/argR triple mutant grows slowly on minimal media+arginine.
proAB	Mutations in proline metabolism	Requires proline for growth in minimal media.
recA1,	Mutation in recombination	Minimizes recombination of introduced DNA with host DNA, increasing stability of inserts. Inserts are more stable in recA1 than recA13 hosts.
recA13		

Genetic Code Table

5'-OH Terminal Base	U	Middle Base			3'-OH Terminal Base
U	Phe	Ser	Tyr	Cys	U
	Phe	Ser	Tyr	Cys	C
	Leu	Ser	STOP	STOP	A
	Leu	Ser	STOP	Trp	G
C	Leu	Pro	His	Arg	U
	Leu	Pro	His	Arg	C
	Leu	Pro	Gln	Arg	A
	Leu	Pro	Gln	Arg	G

5'-OH Terminal Base	U	Middle Base			3'-OH Terminal Base
A	Ile	Thr	Asn	Ser	U
	Ile	Thr	Asn	Ser	C
	Ile	Thr	Lys	Arg	A
	Met	Thr	Lys	Arg	G
G	Val	Ala	Asp	Gly	U
	Val	Ala	Asp	Gly	C
	Val	Ala	Glu	Gly	A
	Val*	Ala	Glu	Gly	G

Determining Molar Masses Using S_{20,w} Values

An S_{20,w} value for many of our polynucleotides is printed on the Certificate of Analysis that accompanies the product. This value may be used to determine the average molecular mass and average length of the polymer. Our polynucleotides consist of molecules with a distribution of varying lengths, therefore, only an average length can be calculated from an S_{20,w} value.

For DNA

The relationship between the sedimentation velocity (S_{20,w}) of sodium DNAs and molar masses (m) for solutions in 1 M sodium salt is expressed in the formulae (1):

Native, dsDNA	Neutral, Denatured ssDNA
S _{20,w} = 0.0882 m ^{0.346}	S _{20,w} = 0.0105 m ^{0.549}
Log m = 2.89 (log S _{20,w} +1.055)	Log m = 1.82 (log S _{20,w} +1.979)

The chart below is derived from the above equations and may be used for quick estimates of the average molar masses and average lengths of our polynucleotides:

S _{20,w}	Native dsDNA		Neutral ssDNA	
Value	m (g/mol)	bp	m (g/mol)	Bases
1.1	1,474	2	4,754	14
2.0	8,297	12	14,114	43
3.0	26,781	41	29,521	90
4.0	26,781	94	49,834	152
5.0	198,521	179	74,800	229
6.0	309,944	304	104,235	319
7.0	455,910	475	137,993	423
8.0	640,782	699	175,955	539
9.0	868,860	982	218,022	668
10.0	1,144,392	1,332	264,107	810
11.0	1,471,579	1,755	314,133	963
12.0	1,854,583	2,257	368,035	1,128
13.0	2,297,523	2,844	425,752	1,305
14.0	2,804,488	3,523	487,228	1,494
15.0		4,301	552,415	1,694

For RNA

The relationship between the sedimentation velocity (S_{20,w}) of sodium RNAs and molar masses (m) for solutions in 1 M sodium salt is expressed in the formula:

Native, Single-Stranded RNA
S _{20,w} = 0.030 m0.459 [Average of two equations (2, 3)]
Log m = 2.179 (log S _{20,w} +1.523)

The chart below is derived from the above equations:

S _{20,w}	m (g/mol)	Approx. Base Length (Avg. FW=361)*
4	42,658	118
5	69,502	193
6	103,276	286
7	144,544	400
8	195,147	535
9	249,459	691
10	314,775	872
11	386,367	1,070
12	467,735	1,296
13	557,186	1,543
14	654,636	1,813

* Average Formula Weight (Avg. FW) is obtained by averaging the following formula weights of the sodium salts of A, C, G and U: A=371, C=344, G=384, U=345.

References

- 1. Studier FW.J. Mol. Biol. 1967; 11(373).
- 2. Eisenberg H, Felsenfeld G. J. Mol. Biol. 1967; 30(17).
- 3. Inners LD, Felsenfeld G. J. Mol. Biol. 1970; 50(373).

Concentration of DNA in Solution*

Double-Stranded DNA (50 µg/ml)	Molecules/ml	Moles/ml	Molar Concentration	Molar Concentration of Termini
Bacteriophage (48,502 bp)	9.78×10 ¹¹	1.62×10 ⁻¹²	1.62 nM	3.24 nM
pBR322(4,361 bp)	1.09×10 ¹³	1.81×10 ⁻¹¹	1.81 nM	36.2 nM
pUC18/pUC19 (2,686 bp)	1.77×10 ¹³	2.94×10 ⁻¹¹	29.4 nM	58.8 nM
Segment of DNA (1 kb)	4.74×10 ¹³	7.87×10 ⁻¹¹	78.7 nM	157.4 nM
Octameric double-stranded linker	5.92×10 ¹⁵	9.83×10 ⁻⁹	9.83 µM	19.7 µM

A solution containing 50 µg/ml of dsDNA has an absorbance of 1.0 at 260 nm, i.e. A₂₆₀=1.0=50 µg/ml of dsDNA. A solution containing 37 µg/ml of ssDNA has absorbance of 1.0 at 260 Nm, i.e. A₂₆₀=1.0=37 µg/ml of ssDNA. These values are calculated assuming that the mass of a nucleotide pair in DNA is 660 g/mol.

Spectrophotometric Quantitation of DNA or RNA

Spectrophotometric measurements of nucleic acid solutions are typically taken at wavelengths of 260 nm and 280 nm. The A₂₆₀ reading is used to determine the concentration of nucleic acid in solution. For a solution with an A₂₆₀=1.0, the following approximations hold:

1 A₂₆₀ unit of dsDNA = 50 µg/ml
1 A₂₆₀ unit of ssDNA = 37 µg/ml
1 A₂₆₀ unit of dsDNA = 40 µg/ml

*For oligonucleotides, an A₂₆₀ of 1.0 represents anywhere from 20 to 33 µg/ml with the actual conversion factor dependent on the length and base sequence of the oligonucleotides(1).

The ratio between measurements at A₂₆₀/A₂₈₀ nm and provides an indicaton of the purity of a nucleic acid. In solution, pure DNA and RNA typically have ratios of 1.8 and 2.0, respectively. If the absorbance ratio is significantly less than the values above, the nucleic acid is probably contaminated with protein or phenol. Accurate quantification of a contaminated nucleic acid is not feasible without prior purification, and the efficacy of this can be established by the A₂₆₀/A₂₈₀ ratio.

Most of the lyophilized polynucleotides are sold are sold as A₂₆₀ units (2). For an approximation of quantity, use the conversion factors provided above to convert the A₂₆₀ units into micrograms 3/4 which must be known if a certain concentration is desired.

1. For a more accurate approximation, refer to Borer in the handbook of Biochemistry and Molecular Biology, 3rd edition (G.D.Fasman, ed.) CRC Press, Cleve land, OH Page 589 (1975).

2. Unit definition: One unit is that quantity of oligonucleotide or polynucleotide which has an absorbance of 1.0 at given wavelength when dissolved in 1 ml of buffer and measured in a 1 cm cuvette at 20°C. The wavelength at which the absorbance is measured is printed on the Certificate of Analysis which accompanies the product. For nucleic acids, typically an absorbance is taken at 260 nm in 20 mM sodium phosphate (pH7.0), 0.1 M NaCl.

Molar Masses of Nucleic Acids

Average molar mass of a deoxynucleotide base	330 g/mol
Average molar mass of a deoxynucleotide base pair	660 g/mol
Average molar mass of a ribonucleotide base	340 g/mol
1 kb of dsDNA (sodium salt)	6.6×10 ⁵ g/mol
1 kb of ssDNA (sodium salt)	3.3×10 ⁵ g/mol
1 kb of ssRNA (sodium salt)	3.4×10 ⁵ g/mol
1×10 ⁶ g/mol of dsDNA (sodium salt)	1.54 kb
Lambda DNA	3.1×10 ⁷ g/mol (1)
pBR322 DNA	2.8×10 ⁶ g/mol (1)
fX-174 DNA	3.6×10 ⁶ g/mol (1)
<i>E. coli</i> DNA	3.1×10 ⁹ g/mol (1)

Mass-to Mole Conversions

1 µg/ml of DNA	3.08 µM/ml phosphate
1 µg/ml of a 1 kb DNA fragment	3.08 nM/ml 5'-end
1 µg of a 1 kb DNA fragment	1.5 pmol=9.0×10 ¹¹ molecules
1 µg of a 1 kb DNA fragment	3.0 pmol 5'-end
1 pmol of a 1 kb DNA fragment	0.66 µg
1 µg of pUC18/19 DNA (2,686 bp)	0.57 pmol=3.4×10 ¹¹ molecules
1 pmol of pUC 18/19 DNA	1.77 µg
1 µg of pBR322 DNA (4,361 bp)	0.35 pmol=2.1×10 ¹¹ molecules
1 µg of linear pBR 322 DNA	0.70 pmol 5'-end
1 pmol of pBR322 DNA	2.8 µg
1 pmol of 5'-ends of linear pBR322	1.4 µg
1 µg of M13mp 18/19 DNA (7,249 bp)	0.21 pmol=1.3×10 ¹¹ molecules
1 pmol of M13mp 18/19 DNA	4.78 µg
1 µg of Lambda DNA (48,502 bp)	0.031 pmol=1.9×10 ¹⁰ molecules
1 pmol of Lambda DNA	32.01 µg

Agarose and Ployacrylamide Gels

Dye Migration: Polyacrylamide Denaturing Gels

Dyes will migrate to the same point as double-stranded DNA of the indicated size in a denaturing polyacrylamide gel.

Gel %	Bromophenol Blue	Xylene Cyanol
5.0	35 bp	140 bp
6.0	26 bp	106 bp
8.0	19 bp	75 bp
10.0	12 bp	55 bp
20.0	8 bp	28 bp

Dye Migration: Polyacrylamide Nondenaturing Gels

Dyes will migrate to the same point as double-stranded DNA of the indicated size in a nondenaturing polyacrylamide gel.

Gel %	Bromophenol Blue	Xylene Cyanol
3.5	100 bp	460 bp
5.0	65 bp	260 bp
8.0	45 bp	160 bp
12.0	20 bp	70 bp
15.0	15 bp	60 bp
20.0	12 bp	45 bp

Miscellaneous

Nucleotide Physical Properties

Compound	Molecular Weight	Lambda Max (pH7.0)	Absorbance at Max 1 M Solution (pH7.0)
ATP	507.2	259	15,400
CTP	483.2	271	9,000
GTP	523.2	253	13,700
UTP	484.2	262	10,000
dATP	491.2	259	15,200
dCTP	467.2	271	9,300
dGTP	507.2	253	13,700
dTTP	482.2	267	9,600

Protein data

Bacterial Cells: *E. coli* or Salmonella typhimurium

Cell Data	per Cell	per liter at 10 ⁹ Cells per ml
Wet Weight	9.5×10 ⁻¹³	0.95 g
Dry Weight	2.8×10 ⁻¹³	0.28 g
Total Protein	1.55×10 ⁻¹³	0.15 g
Volume	1.15 µm ³ =1 femtoliter	

Protein Conc. in the cell: 135 mg/ml
Theoretical maximum yield for a 1 liter culture (10⁹ cells/ml) if protein of interest is:
0.1 % of total protein: 150 µg/liter, 2.0 % of total protein: 30 mg/liter, 50.0 % of total protein: 75 mg/liter

Isotope Data

Isotope	Particle Emitted	Half Life			
¹⁴ C	beta	5,730 years	1 Ci	=	1,000 mCi
³ H	beta	12.4 years	1 mCi	=	1,000 µCi
¹²⁵ I	Beta, gamma X-ray	59.6 days	1 µCi	=	2.2×10 ⁶ disintegration/second
³² P	beta	14.3 days	1 Becquerel	=	1 disintegration/second
³³ P	beta	25.4 days	1 µCi	=	3.7×10 ⁴ Becquerels
³⁵ S	beta	87.4 days	1 Becquerel	=	2.7×10 ⁻⁵ µCi

Resolution of Linear DNA on Agarose Gels

Recommended %Agarose	Optimum Resolution for linear DNA (Size of fragments in base pairs)
0.5	1,000—30,000
0.7	800—12,000
1.0	500—10,000
1.2	400—7,000
1.5	200—3,000
2.0	50—2,000

pH vs Temperature for Tris Buffer

pH of Tris Buffer (0.05 M)		
5 °C	25 °C	37 °C
7.76	7.20	6.91
7.89	7.30	7.02
7.97	7.40	7.12
8.07	7.50	7.22
8.18	7.60	7.30
8.26	7.70	7.40
8.37	7.80	7.52
8.48	7.90	7.62
8.58	8.00	7.71
8.68	8.10	7.80
8.78	8.20	7.91
8.88	8.30	8.01
8.98	8.40	8.10
9.09	8.50	8.22
9.18	8.60	8.31
9.28	8.70	8.42

Acid and Bases

Compound	Formula	Molecular Weight	Specific Gravity	% by Weight	Conc. Reagent Molarity
Acetic acid, glacial	CH ₃ COOH	60.0	1.05	99.5	17.4
Formic acid	HCOOH	46.0	1.20	90	23.4
Hydrochloric acid	HCl	36.5	1.18	36	11.6
Nitric acid	HNO ₃	63.0	1.42	71	16.0
Perchloric acid	HClO ₄	100.5	1.67	70	11.6
Phosphoric acid	H ₃ PO ₄	98.0	1.70	85	18.1
Sulfuric acid	H ₂ SO ₄	98.1	1.84	96	18.0
Ammonium hydroxide	NH ₄ OH	35.0	0.90	28	14.8
Potassium hydroxide	KOH	56.1	1.52	50	13.5
Sodium hydroxide	NaOH	40.0	1.53	50	19.1
β-mercaptoethanol	HSCH ₂ CH ₂ OH	78.1	1.11	100	14.3

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THE™ Anti-HA-tag mAb

Note:

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CONTACT US

USA HEADQUARTERS

GenScript USA Inc.
120 Centennial Ave.
Piscataway, NJ 08854
USA
Tel: 1-732-885-9188 / 1-732-885-9688
Toll-Free Tel: 1-877-436-7274
Fax: 1-732-210-0262 / 1-732-885-5878
Email: info@genscript.com

JAPAN BRANCH OFFICE

GenScript USA Inc.
7F, Kanda-Central Building B,
1-7, Suda-cho, Kanda, Chiyoda-ku,
Tokyo 101-0041
Japan
Tel: 81-3-6206-8985
Fax: 81-3-6206-8987

FRANCE BRANCH OFFICE

GenScript USA Inc.
2 Rue de Fontarabie,
75020 Paris,
France
Toll-Free Tel: 08-05-10-22-28

BUSINESS DEVELOPMENT

Tel: 1-732-317-5088
Email: bd@genscript.com

ACCOUNTS PAYABLE/RECEIVABLE

Accounting Department
GenScript USA Inc.
120 Centennial Ave.
Piscataway, NJ 08854
USA

REGIONAL CONTACT NUMBERS

Australia
Toll-Free Tel: 1-800-172-605

Belgium
Tel: 32-27-470-921

Denmark
Toll-Free Tel: 8088-7617

France
Toll-Free Tel: 08-05-10-22-28

Finland
Toll-Free Tel: 0800-913-020

Germany
Toll-Free Tel: 0-800-0006-320

Hong Kong
Toll-Free Tel: 800-964-684

Ireland
Toll-Free Tel: 1800-932-547

Israel
Toll-Free Tel: 1-809-216-068

Tel: 81-3-6206-8985

Netherlands
Tel: 31-20-890-5456

Norway
Toll-Free Tel: 800-19-172

Portugal
Toll-Free Tel: 800-815-627

Singapore
Toll-Free Tel: 800-120-4549

Spain
Toll-Free Tel: 800-098-920

Sweden
Toll-Free Tel: 0200-884-573

Switzerland
Toll-Free Tel: 0800-369-254

United Kingdom
Toll-Free Tel: 08082-380203

CONTACT LIST

For Sales: order@genscript.com
For General Inquiry: info@genscript.com
For Informatics Support: support@genscript.com
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