

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	AAV9
<b>Cat No.</b>	RP30243
<b>Lot No</b>	E2088123K
<b>Sequence</b>	See appendix for details
<b>Modification</b>	N/A
<b>Size</b>	4.55mg
<b>Storage</b>	-20°C
<b>Recommended Solvent*</b>	Dimethyl sulfoxide(Analytical grade)
<b>HPLC purity</b>	≥90.0%
<b>Appearance</b>	White lyophilized powder
<b>Comments</b>	TFA salts

\*Note: Above recommended solvents for reference only. If there is any request for detailed dissolution conditions, we suggest you choose our 'Peptide Solubility Test Service'.

**Caution:**

For laboratory or further manufacturing use only. Not intended for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (TollFree), or 1-732-885-9188.

Certified by: *Shanshan Wei*      Date: 11/24/2023

Thank you for your patronage to our Peptide services! To maintain this working relationship, we shall be grateful if you can add our webpage URL into your lab website. As a token of appreciation, you will be rewarded by 1,000 EZcoupon™ points. For more information, please contact us by e-mail at [web@genscript.com](mailto:web@genscript.com).

### Appendix:

Sequence	MW	Quantity	Purity
MAADGYLPDWLEDNL	1722.88	25ug	90.4%
GYPDWLEDNLSEGI	1720.84	25ug	93.3%
DWLEDNLSEGIREWW	1948.06	25ug	90.2%
DNLSEGIREWWALKP	1814.01	25ug	99.0%
EGIREWWALKPGAPQ	1737.96	25ug	95.6%
EWALKPGAPQPKAN	1692.92	25ug	98.5%
LKPGAPQPKANQQHQ	1641.84	25ug	94.6%

APQPKANQQHQDNAR	1702.79	25ug	93.1%
KANQQHQDNARGLVL	1691.85	25ug	99.1%
QHQDNARGLVLPGYK	1695.88	25ug	96.9%
NARGLVLPGYKYLGP	1617.90	25ug	96.5%
LVLPGYKYLPGNGL	1560.84	25ug	95.8%
GYKYLPGNGLDKGE	1567.70	25ug	90.3%
LPGNGLDKGEPVNA	1437.56	25ug	98.4%
NGLDKGEPVNAADAA	1441.51	25ug	97.1%
KGEPVNAADAAALEH	1492.60	25ug	96.3%
VNAADAAALEHDKAY	1558.65	25ug	91.3%
DAAALEHDKAYDQQL	1687.77	25ug	97.4%
LEHDKAYDQQLKAGD	1730.84	25ug	96.8%
KAYDQQLKAGDNPYL	1723.89	25ug	97.2%
QQLKAGDNPYLKYNH	1788.96	25ug	98.7%
AGDNPYLKYNHADA	1677.73	25ug	95.7%
PYLKYNHADAQER	1881.02	25ug	90.4%
YNHADAQERLQED	1864.93	25ug	98.4%
DAEQERLQEDTSFG	1771.84	25ug	91.8%
QERLQEDTSFGGNG	1650.75	25ug	90.4%
KEDTSFGGNGGRAV	1597.73	25ug	91.6%
SFGGNGGRAVFQAK	1579.81	25ug	98.7%
NLGRAVFQAKKRLLE	1743.07	25ug	95.7%
AVFQAKKRLLEPLGL	1683.05	25ug	96.6%
AKKRLLEPLGLVEEA	1665.98	25ug	97.0%
LLEPLGLVEEAAKTA	1553.80	25ug	95.0%
LGLVEEAAKTAPGKK	1511.77	25ug	97.4%
EEAAKTAPGKKRPVE	1610.82	25ug	91.2%
KTAPGKKRPVEQSPQ	1650.88	25ug	97.1%
GKKRPVEQSPQEPDS	1681.81	25ug	93.3%
PVEQSPQEPDSSAGI	1540.59	25ug	90.4%
SPQEPDSSAGIGKSG	1416.45	25ug	93.2%
PDSSAGIGKSGAQPA	1342.42	25ug	96.9%
AGIGKSGAQPAKRL	1481.75	25ug	92.0%
KSGAQPAKRLNFGQ	1629.87	25ug	94.8%
QPAKRLNFGQTGDT	1660.84	25ug	92.6%
KRLNFGQTGDTEVP	1648.78	25ug	96.4%
FGQTGDTEVPDPQP	1574.61	25ug	98.1%
GDTEVPDPQPPIGEP	1537.59	25ug	93.6%
SVPDPQPPIGEPAA	1471.62	25ug	96.8%
PQPIGEPAAAPSGVG	1373.52	25ug	94.0%
GEPPAAPSGVGSMT	1370.53	25ug	90.9%
AAPSGVGSMTMASGG	1262.40	25ug	96.9%
GVGSMTMASGGGAPV	1260.42	25ug	98.7%
LTMASGGGAPVADNN	1374.48	25ug	94.3%
SGGGAPVADNNEGAD	1330.28	25ug	99.0%
APVADNNEGADGVGS	1372.36	25ug	92.0%

DNNEGADGVGSSSGN	1379.26	25ug	98.2%
GADGVGSSSGNWHCD	1448.44	25ug	90.2%
VGSSSGNWHCDSQWL	1662.75	25ug	94.4%
SGNWHCDSQWLGDRV	1759.86	25ug	94.4%
HCDSQWLGDRVITTS	1717.87	25ug	90.3%
QWLGDRVITTSTRTW	1820.02	25ug	90.0%
DRVITTSTRTWALPT	1717.93	25ug	96.6%
TTSTRTWALPTYNNH	1762.88	25ug	98.1%
RTWALPTYNNHLYKQ	1905.13	25ug	97.9%
LPTYNNHLYKQISNS	1791.97	25ug	97.0%
NNHLYKQISNSTSGG	1619.70	25ug	94.2%
YKQISNSTSGSSND	1544.54	25ug	96.6%
SNSTSGSSNDNAYF	1507.44	25ug	90.0%
SGSSNDNAYFGYST	1526.48	25ug	90.7%
SNDNAYFGYSTPWGY	1741.77	25ug	93.6%
AYFGYSTPWGYDFDN	1834.94	25ug	90.2%
YSTPWGYDFDNRFHC	1940.11	25ug	92.3%
WGYDFDNRFHCHFSP	1960.14	25ug	95.2%
DFNRFHCHFSPRDWQ	1992.15	25ug	95.8%
FHCHFSPRDWQRLIN	1956.20	25ug	92.1%
FSPRDWQRLINNNWG	1903.07	25ug	93.4%
DWQRLINNNWGFPRK	1944.17	25ug	95.8%
LINNNWGFPRKRLNF	1889.18	25ug	96.3%
NWGFPRKRLNFKLFN	1937.26	25ug	95.0%
RPKRLNFKLFNIQVK	1901.31	25ug	97.7%
LNFKLFNIQVKEVTD	1808.09	25ug	92.7%
LFNIQVKEVTDNNGV	1689.87	25ug	91.4%
QVKEVTDNNGVKTIA	1615.79	25ug	96.7%
VTDNNGVKTIANNLT	1573.71	25ug	96.9%
NGVKTIANNLTSTVQ	1559.73	25ug	90.7%
TIANNLTSTVQVFTD	1623.77	25ug	90.4%
NLTSTVQVFTDSDYQ	1717.79	25ug	95.4%
TVQVFTDSDYQLPYV	1774.93	25ug	94.2%
FTDSDYQLPYVLGSA	1675.80	25ug	92.1%
DYQLPYVLGSAHEGC	1651.80	25ug	96.3%
PYVLGSAHEGCLPPF	1586.82	25ug	92.1%
GSAHEGCLPPFPADV	1496.65	25ug	93.7%
EGCLPPFPADVFMIP	1632.95	25ug	93.8%
PPFPADVFMIPQYGY	1742.01	25ug	90.1%
ADVFMIPQYGYLTLN	1745.01	25ug	96.1%
MIPQYGYLTLNDGSQ	1699.89	25ug	92.9%
YGYLTLNDGSQAVGR	1613.73	25ug	93.4%
TLNDGSQAVGRSSFY	1601.68	25ug	93.6%
GSQAVGRSSFYCLEY	1666.82	25ug	90.6%
VGRSSFYCLEYFPSQ	1782.98	25ug	95.2%
SFYCLEYFPSQMLRT	1885.18	25ug	90.4%

LEYFPSQMLRTGNNF	1817.04	25ug	98.4%
PSQMLRTGNNFQFSY	1789.97	25ug	92.1%
LRTGNNFQFSYEFEN	1865.96	25ug	90.9%
NNFQFSYEFENVPFH	1919.02	25ug	90.7%
FSYEFENVPFHSSYA	1823.92	25ug	98.9%
FENVPFHSSYAHSQS	1736.80	25ug	95.0%
PFHSSYAHSQSLDRL	1744.87	25ug	95.6%
SYAHSQSLDRLMNPL	1731.94	25ug	98.0%
SQSLDRLMNPLIDQY	1793.02	25ug	95.2%
DRLMNPLIDQYLYYL	1930.24	25ug	97.0%
NPLIDQYLYLSKTI	1844.12	25ug	92.4%
DQYLYLSKTINGSG	1721.87	25ug	95.1%
YLYSKTINGSGQNQQ	1700.81	25ug	99.4%
KTINGSGQNQQTLKF	1663.84	25ug	91.4%
GSGQNQQTLKFSVAG	1521.64	25ug	98.1%
NQQTLKFSVAGPSNM	1621.82	25ug	96.1%
LKFSVAGPSNMAVQG	1505.74	25ug	93.0%
VAGPSNMAVQGRNYI	1576.78	25ug	93.3%
SNMAVQGRNYIPGPS	1590.77	25ug	92.8%
VQGRNYIPGPSYRQQ	1762.93	25ug	98.2%
NYIPGPSYRQQRVST	1765.93	25ug	99.4%
GPSYRQQRVSTTVTQ	1707.85	25ug	96.2%
RQQRVSTTVTQNNNS	1732.82	25ug	90.0%
VSTTVTQNNNSEFAW	1697.76	25ug	92.0%
VTQNNNSEFAWPGAS	1621.67	25ug	99.4%
NNSEFAWPGASSWAL	1636.73	25ug	90.1%
FAWPGASSWALNGRN	1633.77	25ug	96.9%
GASSWALNGRNSLMN	1577.73	25ug	92.3%
WALNGRNSLMNPGPA	1597.80	25ug	92.4%
GRNSLMNPGPAMASH	1539.75	25ug	98.0%
LMNPGPAMASHKEGE	1568.78	25ug	90.9%
GPAMASHKEGEDRFF	1678.83	25ug	98.1%
ASHKEGEDRFFPLSG	1676.79	25ug	96.5%
EGEDRFFPLSGSLIF	1713.89	25ug	96.7%
RFFPLSGSLIFGKQG	1653.93	25ug	93.0%
LSGSLIFGKQGTGRD	1535.71	25ug	94.5%
LIFGKQGTGRDNVDA	1590.74	25ug	94.6%
KQGTGRDNVDADKVM	1633.79	25ug	92.0%
GRDNVDADKVMITNE	1676.81	25ug	93.3%
VDADKVMITNEEEIK	1733.94	25ug	90.4%
KVMITNEEEIKTTNP	1746.98	25ug	93.1%
TNEEEIKTTNPVATE	1675.75	25ug	98.4%
EIKTTNPVATESYGQ	1637.75	25ug	97.0%
TNPVATESYGQVATN	1551.62	25ug	92.0%
ATESYGQVATNHQSA	1563.59	25ug	95.4%
YGQVATNHQSAQAQA	1573.63	25ug	97.2%

ATNHQSAQAQAQTGW	1598.64	25ug	95.4%
QSAQAQAQTGWVQNQ	1644.71	25ug	96.6%
AQAQTGWVQNQGILP	1610.78	25ug	95.2%
TGWVQNQGILPGMVW	1685.95	25ug	97.5%
QNQGILPGMVWQDRD	1756.94	25ug	95.9%
ILPGMVWQDRDVYLQ	1833.12	25ug	97.9%
MVWQDRDVYLQGPW	1906.18	25ug	97.9%
DRDVYLQGPWAKIP	1771.03	25ug	95.3%
YLQGPWAKIPHTDG	1695.92	25ug	94.2%
PIWAKIPHTDGNFHP	1729.94	25ug	90.2%
KIPHTDGNFHPSPLM	1690.93	25ug	96.3%
TDGNFHPSPLMGGFG	1533.67	25ug	93.2%
FHPSPLMGGFGMKHP	1639.95	25ug	96.2%
PLMGGFGMKHPPPQI	1606.96	25ug	95.9%
GFGMKHPPPQILIKN	1677.03	25ug	90.2%
KHPPPQILIKNTPVP	1679.02	25ug	98.5%
PQILIKNTPVPADPP	1599.88	25ug	90.3%
IKNTPVPADPPTAFN	1581.77	25ug	97.6%
PVPADPPTAFNKDKL	1609.83	25ug	92.0%
DPPTAFNKDKLNSFI	1706.90	25ug	97.4%
AFNKDKLNSFITQYS	1775.96	25ug	95.5%
DKLNSFITQYSTGQV	1700.85	25ug	97.6%
SFITQYSTGQVSVEI	1658.81	25ug	93.3%
QYSTGQVSVEIEWEL	1767.89	25ug	90.5%
GQVSVEIEWELQKEN	1787.93	25ug	95.6%
VEIEWELQKENSQRW	1974.19	25ug	95.9%
WELQKENSQRWNPEI	1957.16	25ug	97.8%
KENSQRWNPEIQYTS	1880.03	25ug	95.5%
KRWNPEIQYTSNYYK	1990.19	25ug	96.6%
PEIQYTSNYYKSNNV	1819.93	25ug	93.7%
YTSNYYKSNNVEFAV	1798.91	25ug	94.2%
YYKSNNVEFAVNTEG	1734.82	25ug	92.2%
NNVEFAVNTEGVYSE	1671.72	25ug	90.1%
FAVNTEGVYSEPRPI	1678.85	25ug	93.2%
TEGVYSEPRPIGTRY	1724.88	25ug	98.9%
YSEPRPIGTRYLTRN	1823.03	25ug	96.3%
RPIGTRYLTRNL	1459.70	25ug	97.6%