

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/AGTRL1/Gα15
Cat. No.	M00245
Lot No.	R10101812
Host Cell:	CHO-K1/Gα15
Target Gene:	AGTRL1
Quantity:	2 vials of frozen cells, > 1x10 ⁶ cells/vial
Shipping Condition:	Dry Ice
Recommended Storage Condition:	Liquid Nitrogen

Stable Cell Line Information

Recommended Cell Culture Medium: Ham's F-12K, 10% FBS, 100 µg/ml Hygromycin B, 400 µg/ml G418

Freeze Medium: 45% culture medium, 45% FBS, 10% DMSO

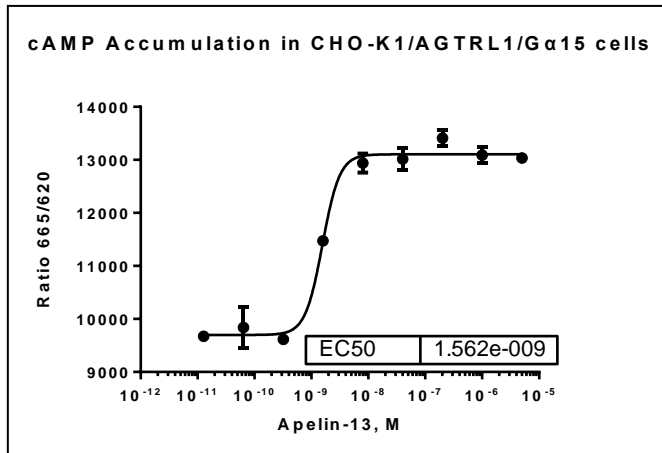
Application: cAMP assay and Calcium Flux assay on AGTRL1 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium Flux Assay	EC ₅₀ = 1.89×10 ⁻⁷ M
Function assay	cAMP assay	EC ₅₀ = 1.56×10 ⁻⁹ M

* The mycoplasma test was performed with MycoAlert™ PLUS Mycoplasma Detection Kit of Lonza.

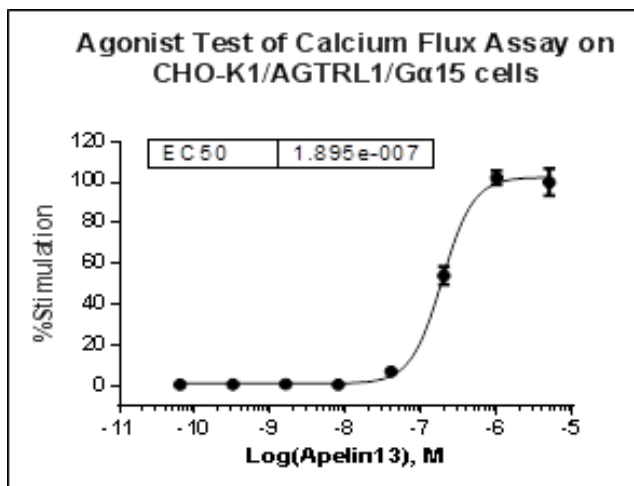
Appendix

cAMP assay



Apelin-13 induced concentration-dependent stimulation of intracellular cAMP accumulation in CHO-K1/AGTRL1/Gα15 cells. $EC_{50}=1.56 \times 10^{-9}$ M.

Calcium Flux Assay



Apelin-13 induced concentration-dependent stimulation of calcium mobilization in CHO-K1/AGTRL1/Gα15 cells. $EC_{50}=1.89 \times 10^{-7}$ M

Caution

For research 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 (Toll-Free), or 1-732-885-9188.

Certified by:

Wang Yan

Date: 03/07/2019

Department of New Technology