CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/GCGR/Gα15
Cat. No.	M00345
Lot No.	R10091811-3
Host Cell:	CHO-K1/Gα15
Target Gene:	GCGR
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 F12, 10% FBS, 400 μg/ml G418, 100 μg/ml Hygromycin B

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

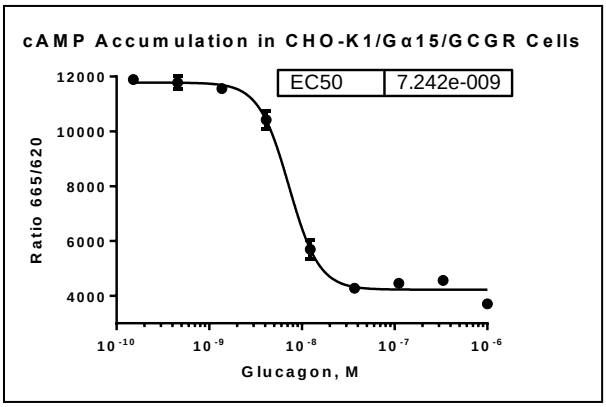
Application: cAMP assay and calcium flux assay on GCGR receptor.

Test Item	Specification	Result
Mycoplasma	Not detected*	Not detected*
Cell viability	>90%	95%
Function assay	calcium flux assay	$EC_{50}=6.839\times10^{-7}$ M
Function assay	cAMP assay	$EC_{50}=7.242\times10^{-9}$ M

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

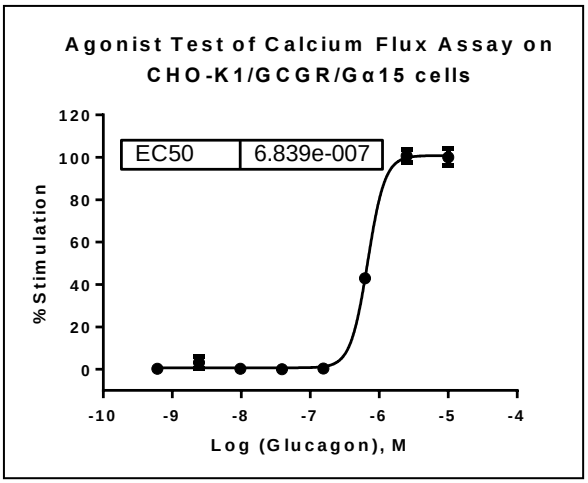
Appendix

1. cAMP assay



Glucagon-induced concentration-dependent stimulation of intracellular cAMP accumulation in CHO-K1/GCGR Gα15 cell. EC_{50}= 7.242×10^{-9} M

2. Calcium Flux Assay



Glucagon induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/GCGR /Gα15 cells, EC_{50} =6.839×10^{-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: 5/22/2019

Department of New Technology