

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/GCGR/Gα15
Cat. No.	M00345
Lot No.	R10012003-3
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 F-12K, 10% FBS, 400 µg/ml G418, 100 µg/ml Hygromycin B

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

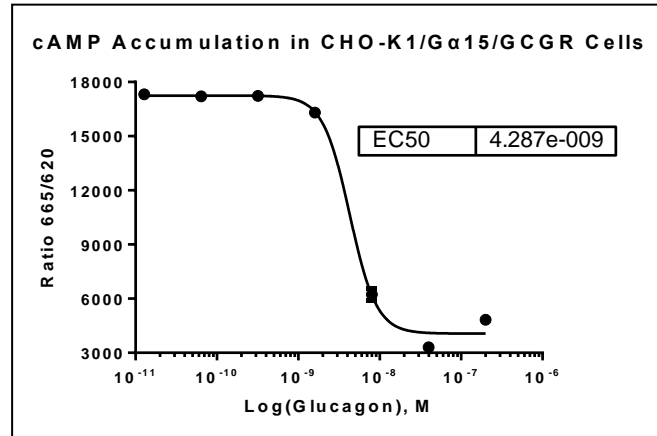
Application: cAMP assay and Calcium flux assay on GCGR receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium flux assay	EC ₅₀ =4.626×10 ⁻⁷ M
Function assay	cAMP assay	EC ₅₀ =4.287×10 ⁻⁹ M

* The mycoplasma test was performed with TransDetect PCR Mycoplasma Detection Kit.

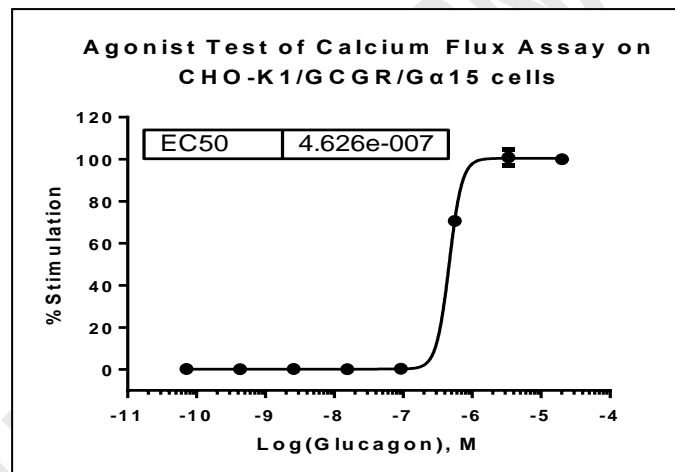
Appendix

1. cAMP assay



Glucagon-induced concentration-dependent stimulation of intracellular cAMP accumulation in CHO-K1/GCGR/Gα15 cell. EC₅₀= 4.287×10⁻⁹ M

2. Calcium Flux Assay



Glucagon induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/GCGR/Gα15 cells, EC₅₀ =4.626×10⁻⁷ 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 Yue* Date: 03/19/2020
Department of New Technology