

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/GCGR/Gα15 Stable Cell Line
Cat. No.	M00345
Lot No.	B80081710
Host Cell:	CHO-K1/Gα15
Target Gene:	GCGR
Quantity:	Two vials of frozen cells, > 1x10 ⁶ cells/vial
Shipping Condition:	Dry Ice
Storage Condition:	Liquid Nitrogen recommended, thaw and recovery the cells in 1 year from date received

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% (V/V) DMSO

Application: Functional assay for CHO-K1/GCGR/Gα15 Stable Cell Line

Note: The cells should be cultured in cell culture medium without antibiotics first for about 3-4 days after the cell thawing. The antibiotics (G418 and Hygromycin B) will be used when the cells recover.

Test Item	Specification	Result
Mycoplasma	Not detected*	Not detected*
Functional assay	Calcium Flux assay	EC ₅₀ =310 nM

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

Appendix

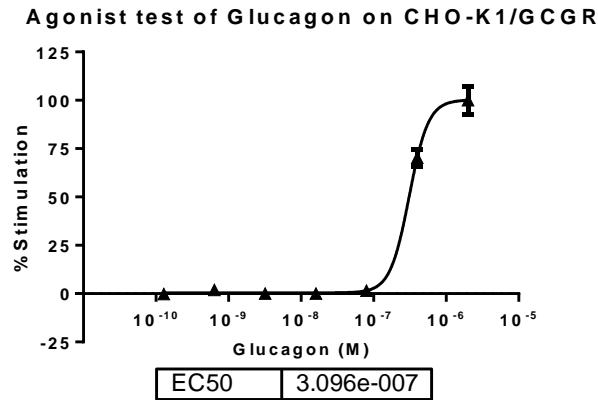


Figure 1. Glucagon-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/GCGR/G α 15 cells. The cells were loaded with Calcium-4 prior to stimulation with a GCGR receptor agonist, Glucagon. The intracellular calcium change was measured by FLIPR. The effects of agonist (%Stimulation) (Mean \pm SD, n = 3) were plotted against the log of the cumulative doses (5-fold dilution) of Glucagon. The EC50 of Glucagon on GCGR in CHO-K1/G α 15 cells was 310 nM. The S/B of Glucagon on GCGR in CHO-K1/G α 15 cells was 18.2.

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.

Certified by:

Felix. Zhu

Date: 07/06/2018

Department of Biologics Development Director