

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1 /Gα15/GLP1R
Cat. No.	M00451
Lot No.	R10332111-18
Host Cell:	CHO-K1/Gα15
Target Gene:	GLP1R
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 (Kaighn's), 10% FBS, 100 µg/ml Hygromycin B, 200 µg/ml Zeocin.

Freeze Medium: 45% Ham's F-12K , 45% FBS, 10% DMSO.

Application: Intracellular calcium mobilization assay on GLP-1 receptor.

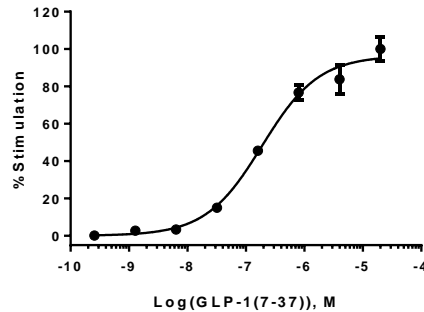
Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	98.06%
Function assay	Calcium Flux assay	EC ₅₀ = 1.896X10 ⁻⁷ M

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

Appendix

Calcium Flux Assay

Agonist Test of Calcium Flux Assay on
CHO-K1/G α 15/GLP1R cells



GLP-1(7-37) induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/G α 15/GLP1R cells, $EC_{50}=1.896\times 10^{-7}$ 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: *Jinhong Chen* Date: 01/17/2022
Department of New Technology