

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/Ga15/GLP-1R
Cat. No.	M00451
Lot No.	R10062001-14
Host Cell:	CHO-K1/Ga15
Target Gene:	GLP-1R
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, 200 µg/ml Zeocin, 100 µg/ml Hygromycin B

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

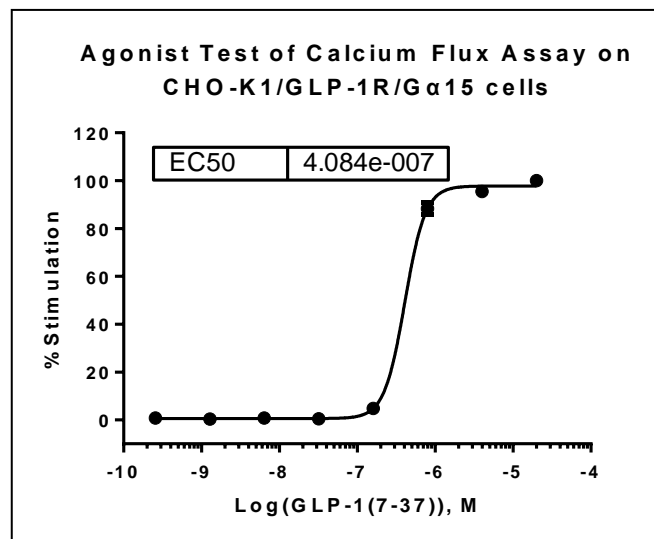
Application: Calcium Flux and cAMP assay on GLP-1R receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	cAMP assay	EC ₅₀ = 3.128×10 ⁻⁸ M
Function assay	Calcium Flux assay	EC ₅₀ = 4.084×10 ⁻⁷ M

* The mycoplasma test was performed with Hoechst staining.

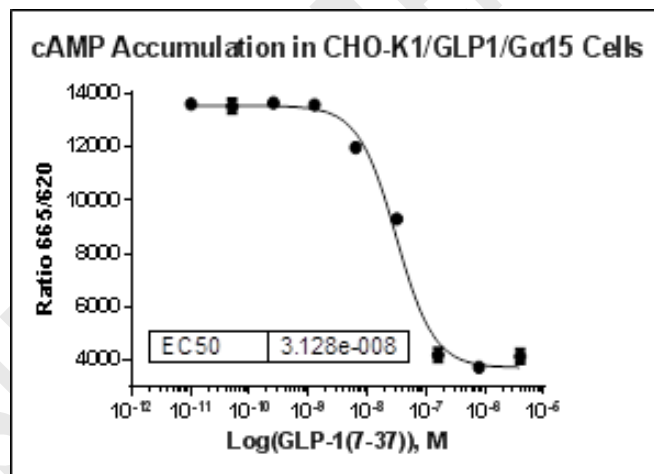
Appendix

Calcium Flux assay



GLP-1(7-37) induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/Gα15/GLP-1R cells, $EC_{50} = 4.084 \times 10^{-7}$ M

cAMP accumulation assay



GLP-1(7-37) induced concentration-dependent stimulation of cAMP in CHO-K1/Gα15/GLP-1R cells, $EC_{50} = 3.128 \times 10^{-8}$ M

Hochest staining



The mycoplasma test was performed with Hochest staining

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: 01/16/2020

Department of New Technology