

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/GIPR/Gα15
Cat. No.	M00486
Lot No.	R10031904-7
Host Cell:	CHO-K1
Target Gene:	CHO-K1/Gα15
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, 200 µg/ml Zeocin, 100 µg/ml Hygromycin B

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

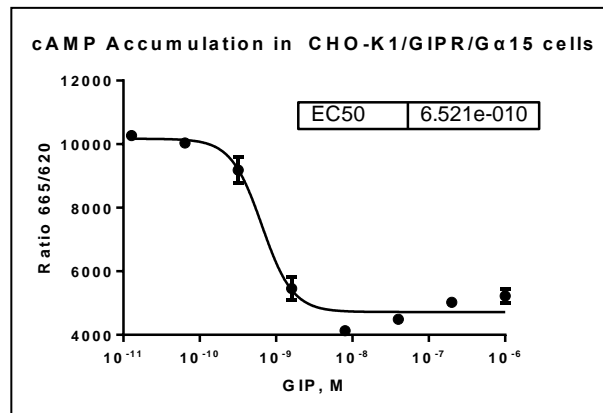
Application: cAMP assay and calcium flux assay on GIPR receptor.

Test Item	Specification	Result
Mycoplasma	Not detected*	Not detected*
Cell viability	>90%	95%
Function assay	calcium flux assay	EC ₅₀ =1.191×10 ⁻⁷ M
Function assay	cAMP assay	EC ₅₀ =6.521×10 ⁻¹⁰ M

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

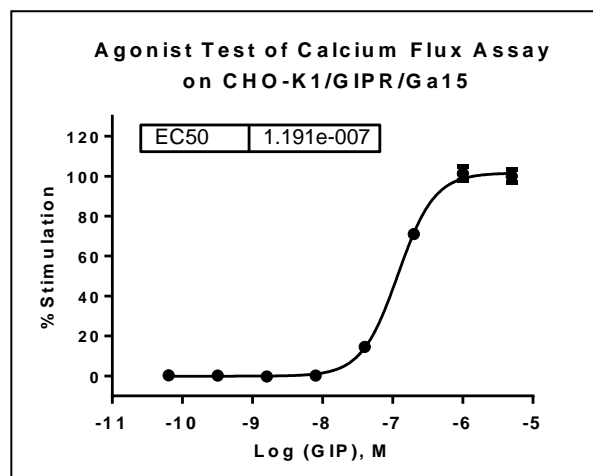
Appendix

1. cAMP assay



GIP-induced concentration-dependent stimulation of intracellular cAMP accumulation in CHO-K1/GIPR/Gα15 cell.
 $EC_{50} = 6.521 \times 10^{-10}$ M

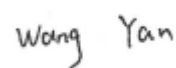
2. Calcium Flux Assay



GIP induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/GIPR/Gα15 cells,
 $EC_{50} = 1.191 \times 10^{-7}$ 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: Date: 5/11/2019
 Department of New Technology