

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/CALCR/Gα15
Cat. No.	M00320
Lot No.	R10092005
Host Cell:	CHO-K1/Gα15
Target Gene:	CALCR
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 (Kaighn's), 45% FBS, 10% DMSO.

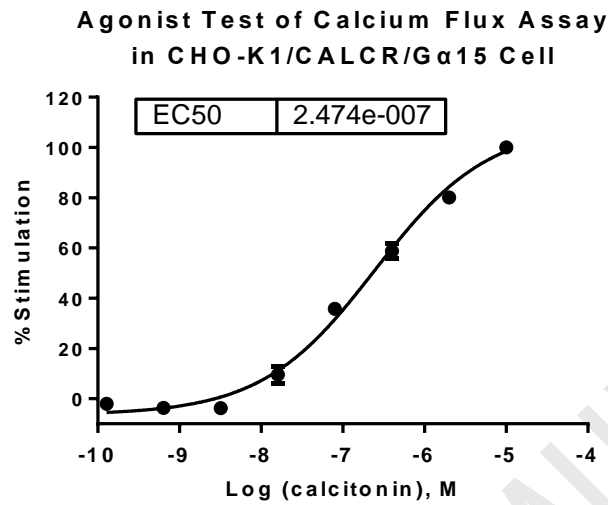
Application: Intracellular calcium mobilization assay and cAMP assay on CALCR receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	97.97%
Function assay	Calcium Flux assay	EC ₅₀ = 2.474X10 ⁻⁷ M
Function assay	cAMP assay	EC ₅₀ = 6.713X10 ⁻⁹ M

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

Appendix

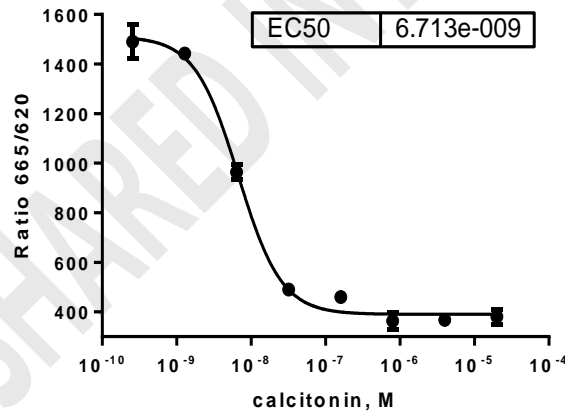
Calcium Flux Assay



Calcitonin induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/CALCR/G α 15 cells, $EC_{50}=2.474 \times 10^{-7}$ M.

cAMP Assay

Agonist test of cAMP assay in CHO-K1/CALCR/G α 15 cells



Calcitonin induced concentration-dependent stimulation of intracellular cAMP in CHO-K1/CALCR/G α 15 cells, $EC_{50}=6.713 \times 10^{-9}$ 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.

Jinhong Chen

Certified by:

Date: 08/24/2021

Department of New Technology