

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/CASR
Cat. No.	M00434
Lot No.	R10072008-4
Host Cell:	CHO-K1
Target Gene:	CASR
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-12, 10% FBS, 200 µg/ml Zeocin

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

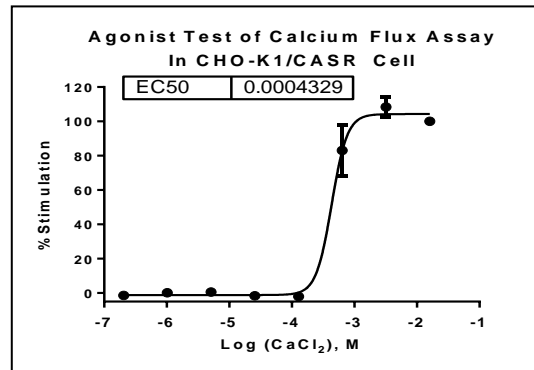
Application: Calcium flux assay and Camp assay on CASR receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium flux assay	EC ₅₀ =4.33X10 ⁻⁴ M
Function assay	cAMP assay	EC ₅₀ =3.657x10 ⁻³ M

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

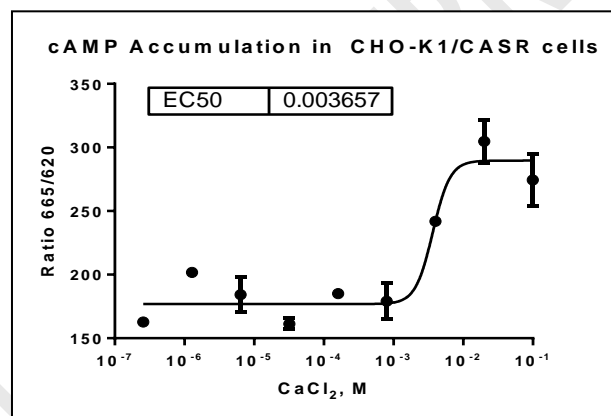
Appendix

1. Calcium Flux Assay



Carbacol induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/CASR cell, $EC_{50}=4.33 \times 10^{-4} M$

2. cAMP accumulation assay



Carbacol induced concentration-dependent stimulation of of cAMP in CHO-K1/CASR cell, $EC_{50} = 3.657 \times 10^{-3} M$

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: *Wang Yan* Date: 09/23/2020
Department of New Technology