

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	CHO-K1/ADORA1/Gα15
Cat. No.	M00324
Lot No.	R10061906
Host Cell:	CHO-K1/Gα15
Target Gene:	ADORA1
Quantity:	2 vials of frozen cells, > 1x10 <sup>6</sup> 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, 200 µg/ml Hygromycin B

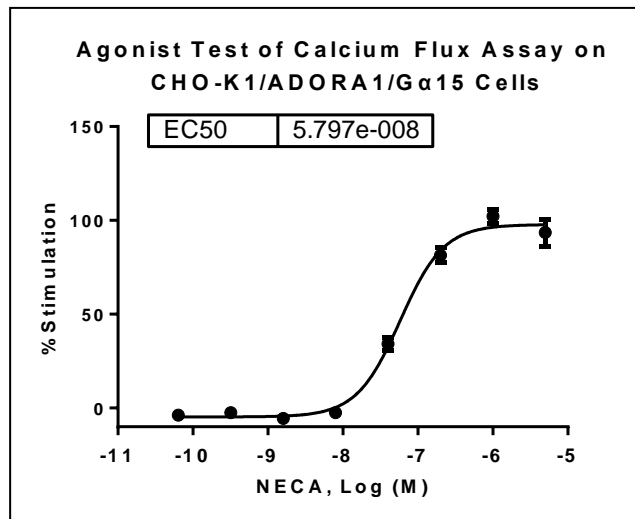
**Freeze Medium:** 45% culture medium, 45% FBS, 10% DMSO

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium Flux assay	EC <sub>50</sub> =5.797×10 <sup>-8</sup> M
Function assay	Agonist test of cAMP assay	EC <sub>50</sub> =9.308×10 <sup>-8</sup> M
Function assay	Antagonist test of cAMP assay	EC <sub>50</sub> =9.446×10 <sup>-8</sup> M

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

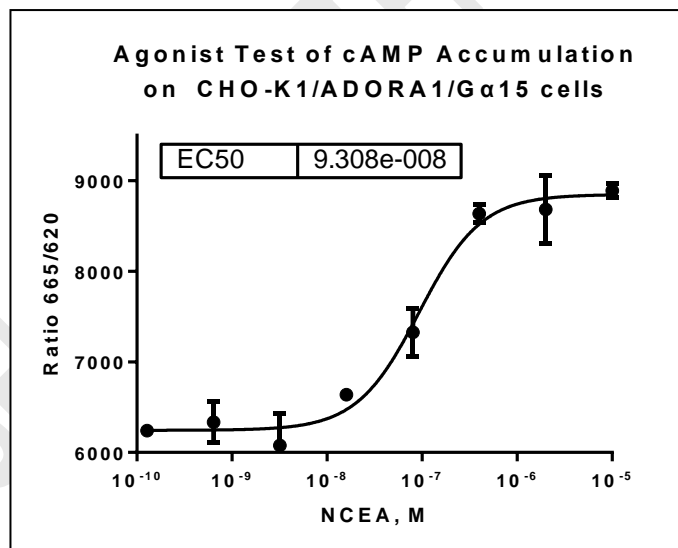
Appendix

Calcium Flux assay

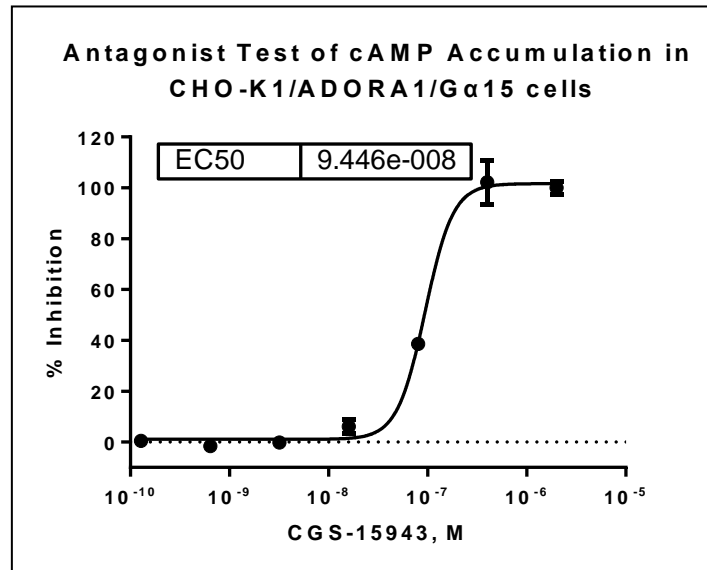


NECA-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/ADORA1/Gα15 cells,  $EC_{50} = 5.797 \times 10^{-8}$  M

cAMP assay



NECA-induced concentration-dependent stimulation of intracellular cAMP accumulation in CHO-K1/ADORA1/Gα15 cells,  $EC_{50} = 9.308 \times 10^{-8}$  M



CGS-15943-induced concentration-dependent inhibition of intracellular cAMP accumulation in CHO-K1/ADORA1/G $\alpha$ 15 cells, EC<sub>50</sub>=9.446 $\times$ 10<sup>-8</sup> 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:

*Dan Jiang*

Date: 06/09/2020

Department of New Technology