

Version: 01

Update: 09/05/2022

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	CHO-K1/NIACR1/Gα15
Cat. No.	M00428
Lot No.	R52522703
Host Cell:	CHO-K1/Gα15
Target Gene:	NIACR1
Size:	2 vials of frozen cells, > 1x10 <sup>6</sup> cells/vial
Shipping Condition:	Dry Ice (-80°C)
Storage Condition:	Liquid Nitrogen (-196°C)

### Stable Cell Line Information

**Recommended Cell Culture Medium:** Ham's F-12K (Kaighn's), 10% FBS, 200 µg/ml Zeocin, 100 µg/ml Hygromycin B

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

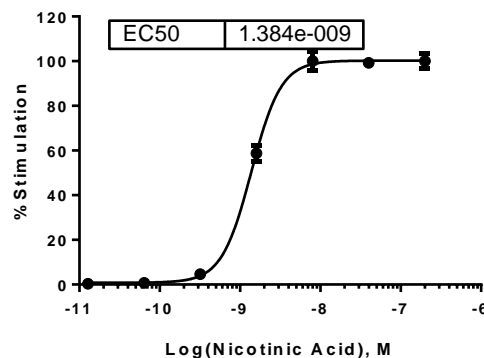
**Application:** Calcium Flux assay and cAMP assay on NIACR1 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	97.29%
Quantity	>1x10 <sup>6</sup> cells/vial	3.45x10 <sup>6</sup> cells/vial

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

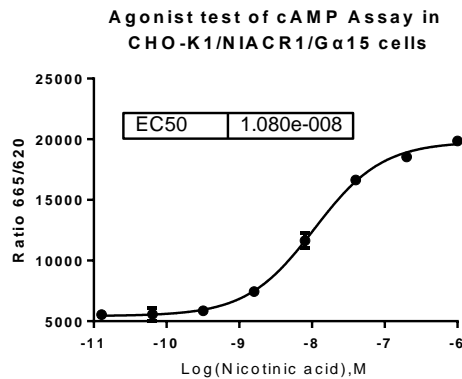
### Calcium Flux assay

Agonist Test of Calcium Flux Assay on  
CHO-K1/NIACR1/Gα15



Nicotinic acid-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/NIACR1/Gα15 cells, EC<sub>50</sub> = 1.38X10<sup>-9</sup> M.

## cAMP assay



Nicotinic acid -induced concentration-dependent stimulation of cAMP in CHO-K1/NIACR1/G $\alpha$ 15 cells,  
 $EC_{50} = 1.08 \times 10^{-8}$  M.

Date: 09/05/2022

Approved by: *Dan Jiang*

Department of Reagent Product R&D

**For research use only. Not intended for human and animal therapeutic or diagnostic use.**

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