

Version: 01

Update: 06/14/2023

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	CHO-K1/Gα15/OPRM1
Cat. No.	M00304
Lot No.	R51823502
Host Cell:	CHO-K1/Gα15
Target Gene:	OPRM1
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

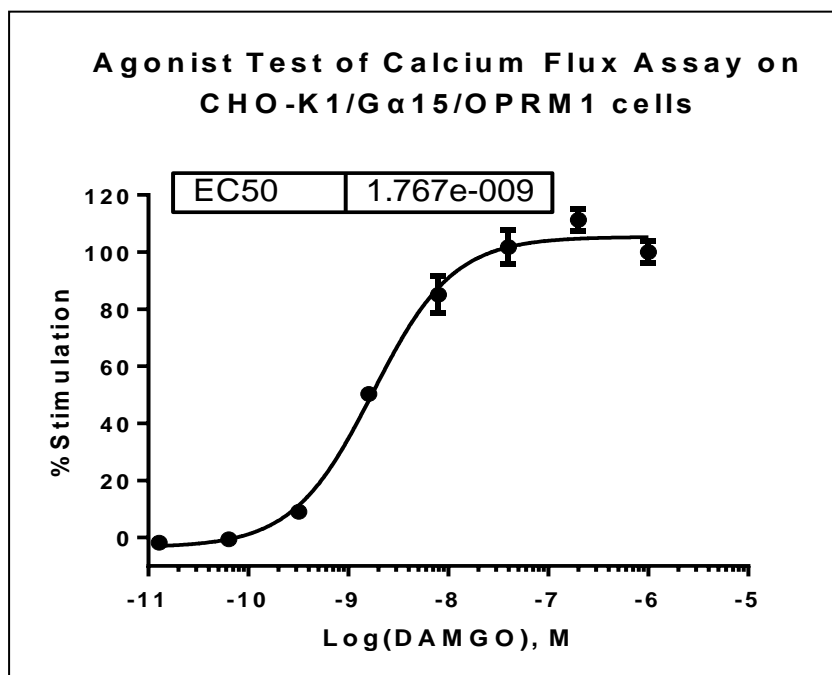
**Freeze Medium:** 45% Ham's F-12K (Kaighn's), 45% FBS, 10% DMSO

**Application:** Calcium Flux assay, cAMP assay and IP-one assay on OPRM1 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	99.45%
Quantity	>1x10 <sup>6</sup> cells/vial	2.59x10 <sup>6</sup> cells/vial

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

## Calcium Flux assay



DAMGO induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/G $\alpha$ 15/OPRM1 cells,  $EC_{50} = 1.767 \times 10^{-9}$  M.

Date: 06/14/2023

Approved by:

*Min Qiu*

Department of Reagent Product R&D

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