

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	CHO-K1/ Gα15/OPRD1
Cat. No.	M00323
Lot No.	R10031808
Host Cell:	CHO-K1/ Gα15
Target Gene:	OPRD1
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 F-12K, 10% FBS, 200 µg/ml Zeocin, 100 µg/ml Hygromycin B

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

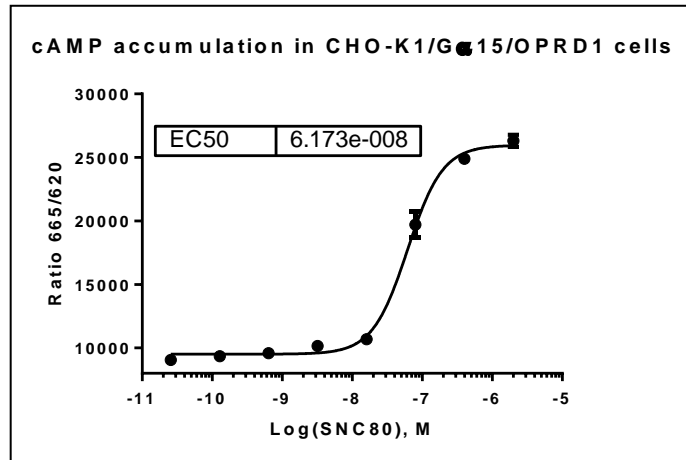
**Application:** cAMP assay and Calcium Flux assay on OPRD1 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium Flux assay	EC <sub>50</sub> =7.507×10 <sup>-7</sup> M
Function assay	cAMP assay	EC <sub>50</sub> =6.173×10 <sup>-8</sup> M

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

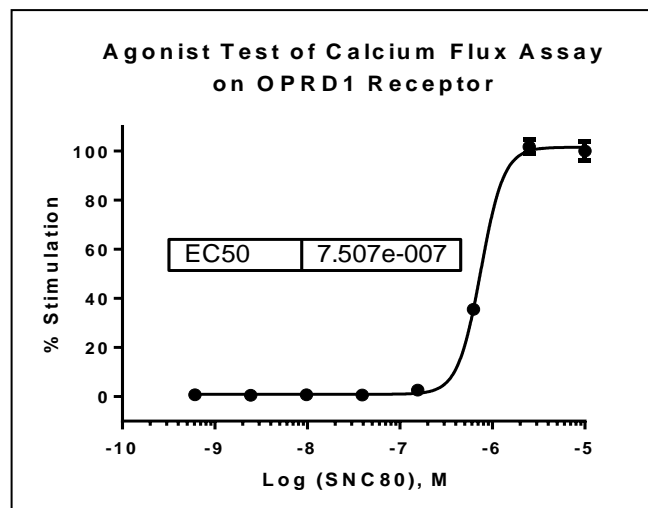
## Appendix

### 1. cAMP assay



SNC80 induced concentration-dependent stimulation of intracellular cAMP accumulation in CHO-K1/OPRD1/Gα15 cells.  $EC_{50} = 6.173 \times 10^{-8}$  M

### 2. Calcium Flux assay



SNC80 induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/OPRD1/Gα15 cells.  $EC_{50} = 7.507 \times 10^{-7}$  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 Yue* Date: 11/05/2019

Department of New Technology