

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	CHO-K1/IP1/Gα15
Cat. No.	M00310
Lot No.	R10141812-6
Host Cell:	CHO-K1/Gα15
Target Gene:	IP1
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, 100 µg/ml Hygromycin B, 400 µg/ml G418

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

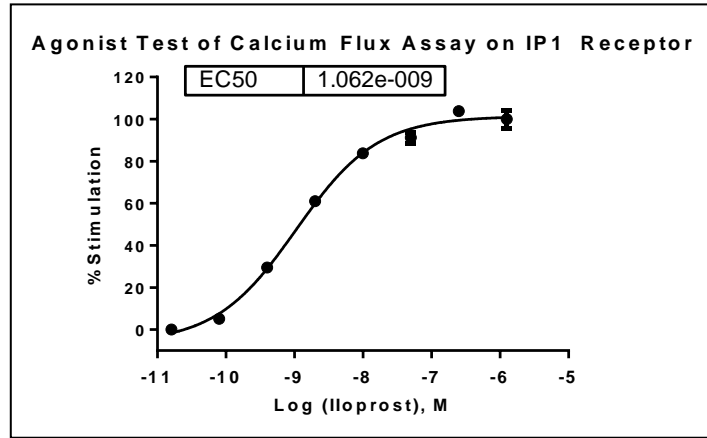
**Application:** cAMP assay and Calcium Flux assay on IP1 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	cAMP assay	EC <sub>50</sub> = 1.646×10 <sup>-11</sup> M
Function assay	Calcium Flux assay	EC <sub>50</sub> = 1.062×10 <sup>-9</sup> M

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

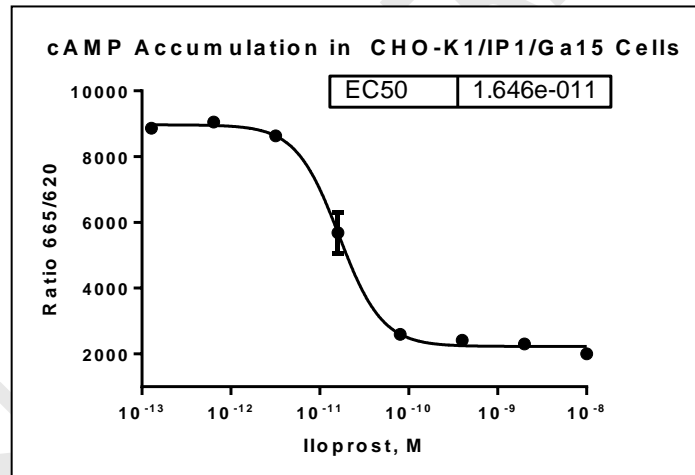
## Appendix

### 1. Calcium Flux assay



Iloprost induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/IP1/Gα15 cells, EC<sub>50</sub> = 1.062 × 10<sup>-9</sup> M

### 2. cAMP assay



Iloprost -induced concentration-dependent stimulation of intracellular cAMP accumulation in CHO-K1/IP1/Gα15 cells. EC<sub>50</sub> = 1.646 × 10<sup>-11</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:

*Wang Yan*

Date: 03/01/2019

Department of New Technology

860 Centennial Ave., Piscataway, NJ 08854, USA