

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name	CHO-K1/DP1/Gα15
Cat. No.	M00453
Lot No.	R10131812-3
Host Cell:	CHO-K1/ Gα15
Target Gene:	DP1
Quantity:	2 vials of frozen cells, > 1x10 <sup>6</sup> cells/vial
Shipping Condition:	Dry Ice
Recommended Storage Condition:	Liquid Nitrogen

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### Stable Cell Line Information

**Recommended Cell Culture Medium:** DMEM, 10% FBS, 200 µg/ml Zeocin, 250 µg/ml G418

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

**Application:** cAMP assay and Calcium Flux assay on DP1 receptor.

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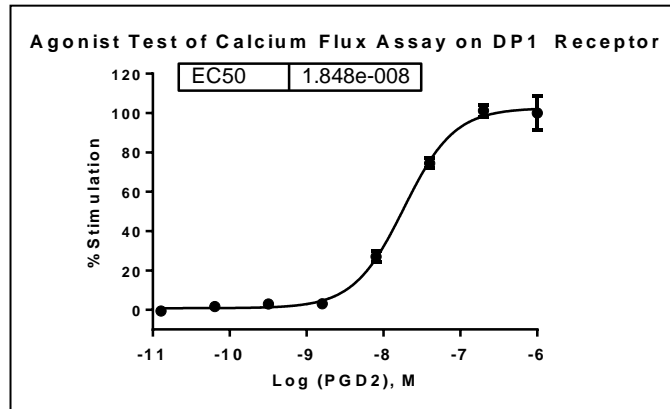
Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	cAMP assay	EC <sub>50</sub> = 2.491×10 <sup>-8</sup> M
Function assay	Calcium Flux assay	EC <sub>50</sub> = 1.848×10 <sup>-8</sup> M

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

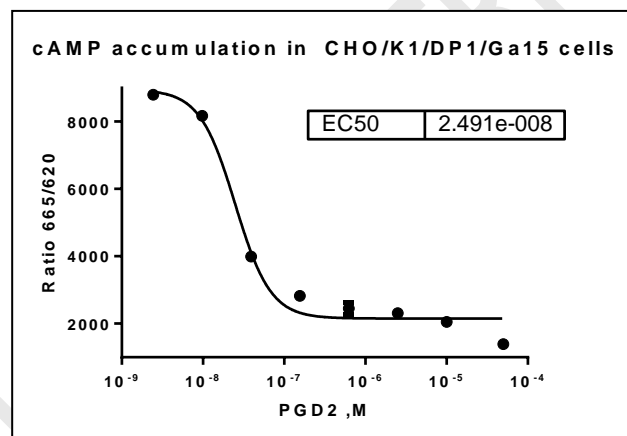
## Appendix

### 1. Calcium Flux assay



PGD2 induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/DP1/Gα15 cells, EC<sub>50</sub> = 1.848 × 10<sup>-8</sup> M

### 2. cAMP assay



PGD2 -induced concentration-dependent stimulation of intracellular cAMP accumulation in CHO-K1/DP1/Gα15 cells. EC<sub>50</sub> = 2.491 × 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.

Wang Yan

Certified by: \_\_\_\_\_ Date: 03/01/2019  
 Department of New Technology