

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	CHO-K1/GLP2R/Gα15
Cat. No.	M00307
Lot No.	R10031812
Host Cell:	CHO-K1/Gα15
Target Gene:	GLP2R
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

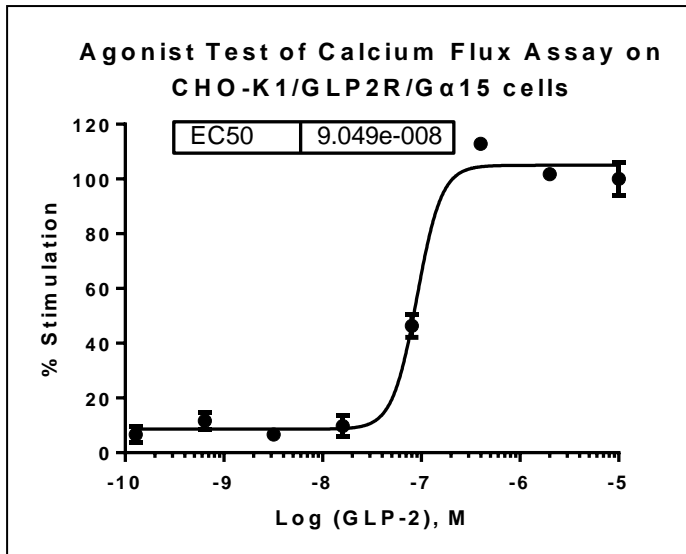
**Application:** cAMP assay and Calcium Flux assay on GLP2 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium Flux assay	EC <sub>50</sub> = 9.05×10 <sup>-8</sup> M
Function assay	cAMP assay	EC <sub>50</sub> =1.48×10 <sup>-8</sup> M

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

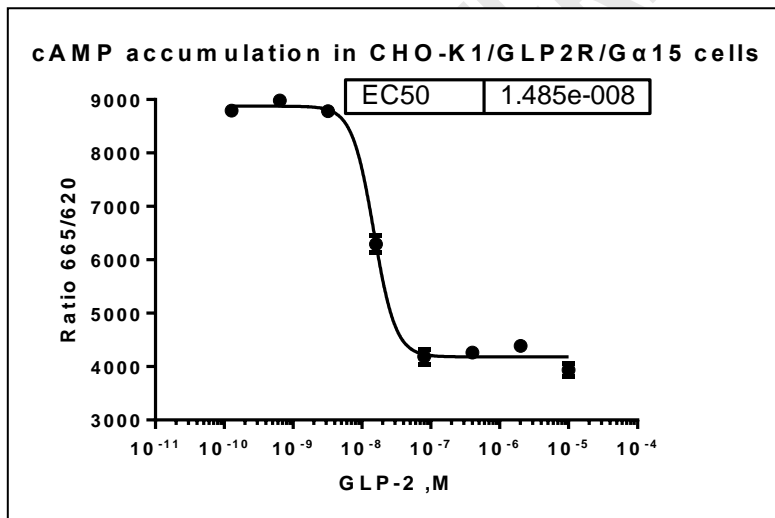
**Appendix**

1. Calcium Flux assay



GLP-2 induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/GLP2R/Gα15 cells, EC<sub>50</sub> = 9.05 × 10<sup>-8</sup> M

2. cAMP assay



GLP-2-induced concentration-dependent stimulation of intracellular cAMP accumulation in CHO-K1/GLP2R/Gα15 cells. EC<sub>50</sub> = 1.48 × 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.

Certified by: *Wang Yan* Date: 03/07/2019  
 Department of New Technology