

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	CHO-K1/GIP/Gα15
Cat. No.	M00486
Lot No.	R50623313
Host Cell:	CHO-K1/Gα15
Target Gene:	GIP
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

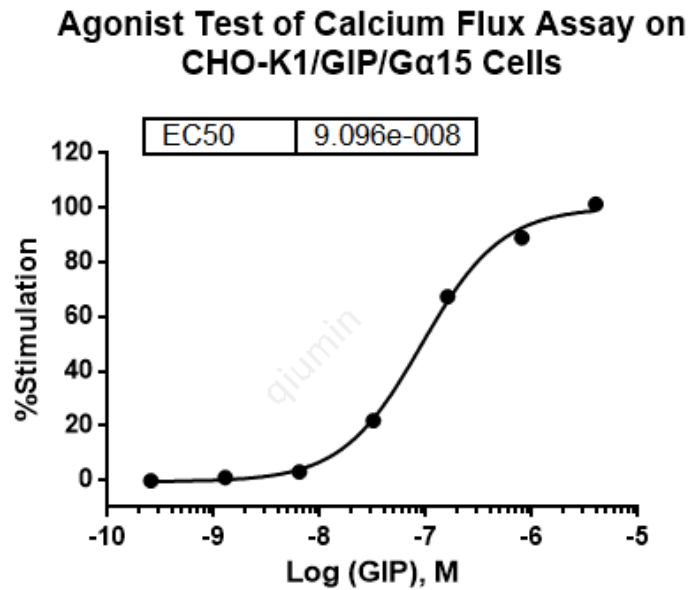
**Application:** cAMP assay and calcium flux assay on GIP receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	99%
Quantity	>1x10 <sup>6</sup> cells/vial	2.85x10 <sup>6</sup> cells/vial
Function assay	calcium flux assay	EC <sub>50</sub> =9.096x10 <sup>-8</sup> M
Function assay	cAMP assay	EC <sub>50</sub> =4.916x10 <sup>-11</sup> M

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

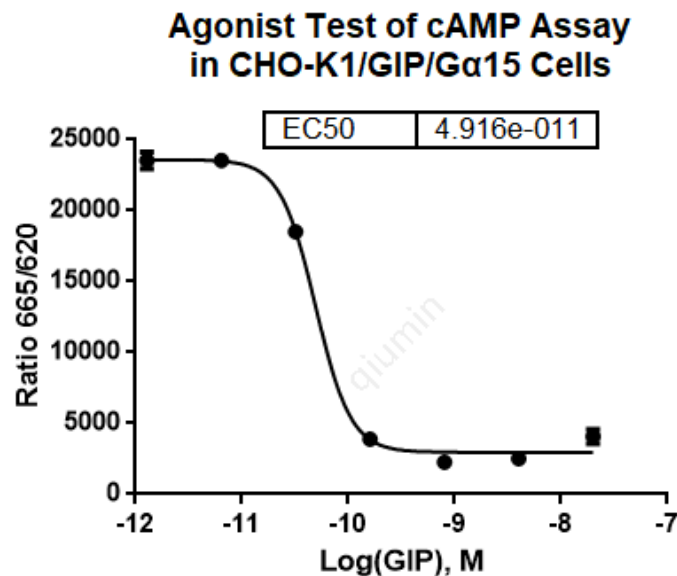
## Appendix

### 1. Calcium Flux Assay



GIP induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/GIP/Gα15 cells,  $EC_{50}=9.096 \times 10^{-8}$  M.

### 2. cAMP assay



GIP-induced concentration-dependent stimulation of intracellular cAMP accumulation in CHO-K1/GIP/Gα15 cells,  $EC_{50}= 4.916 \times 10^{-11}$  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: *Min Qiu* Date: 06/21/2023  
Department of New Technology

SHARED INTERNALLY