

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name	CHO-K1/VPAC1/Gα15
Cat. No.	M00342
Lot No.	R10081812-3
Host Cell:	CHO-K1/Gα15
Target Gene:	VPAC1
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:** Ham's F-12K, 10% FBS, 100 µg/ml Hygromycin B, 200 µg/ml Zeocin

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

**Application:** cAMP assay and Calcium Flux assay on VPAC1 receptor.

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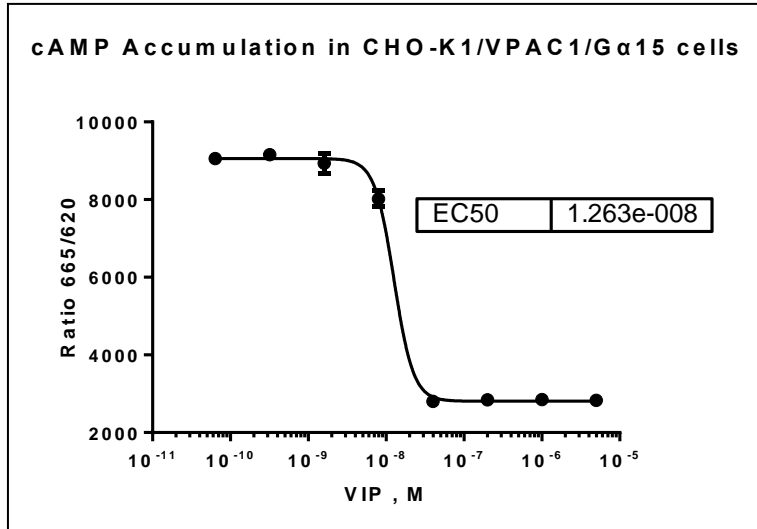
Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium Flux assay	EC <sub>50</sub> = 5.215×10 <sup>-8</sup> M
Function assay	cAMP assay	EC <sub>50</sub> = 1.263×10 <sup>-8</sup> M

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

**Appendix**

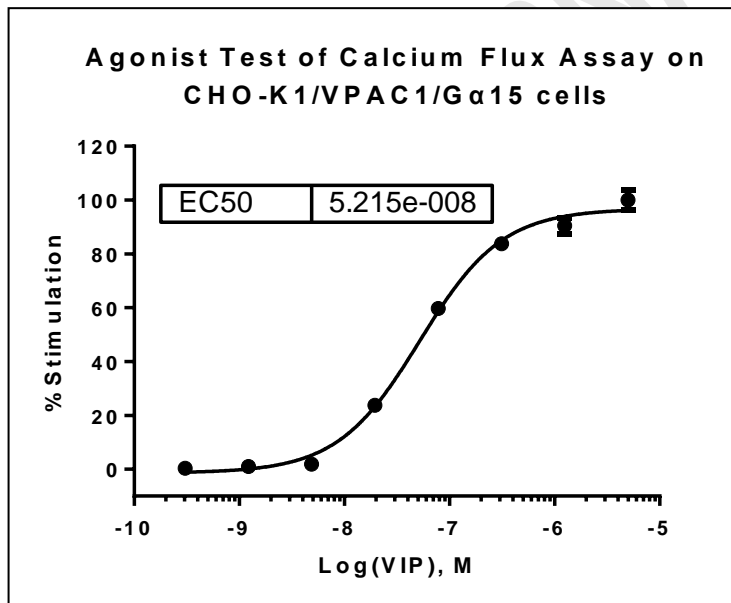
1. cAMP assay



VIP induced concentration-dependent stimulation of intracellular cAMP accumulation in CHO-K1/VPAC1/Gα15 cell.

EC<sub>50</sub>=1.263×10<sup>-8</sup> M

2. Calcium Flux assay



VIP induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/VPAC1/Gα15 cells,

EC<sub>50</sub> =5.215×10<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: Date: 01/04/2019  
 Department of New Technology