

Version: 01

Update: 12/06/2022

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name	CHO-K1/NPS1a/Gα15
Cat. No.	M00338
Lot No.	R50922303
Host Cell:	CHO-K1/ Gα15
Target Gene:	NPS1a
Size:	2 vials of frozen cells, > 1x10 <sup>6</sup> cells/vial
Shipping Condition:	Dry Ice (-80°C )
Storage Condition:	Liquid Nitrogen (-196°C)

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### Stable Cell Line Information

**Recommended Cell Culture Medium:** Ham's F-12K (Kaighn's), 10% FBS, 200 µg/ml Zeocin, 100 µg/ml Hygromycin B

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

**Application:** Calcium Flux assay on NPS1a receptor.

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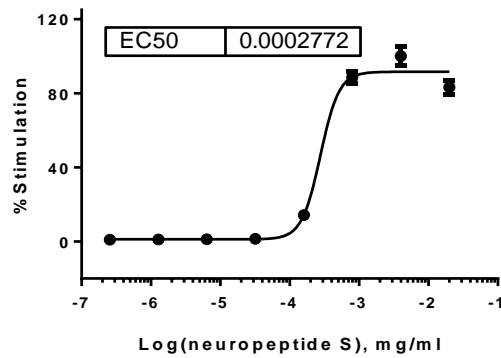
Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	99.28%
Quantity	>1x10 <sup>6</sup> cells/vial	2.85x10 <sup>6</sup> cells/vial

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

## Calcium Flux assay

Agonist Test of Calcium Flux Assay on  
CHO-K1/NPS1a/G $\alpha$ 15 cells



Neuropeptide S-induced concentration-dependent stimulation of Calcium Flux in CHO-K1/NPS1a/G $\alpha$ 15 cells,  $EC_{50} = 2.77 \times 10^{-4}$  mg/ml.

Date: 12/06/2022

Approved by: *Jinhong Chen*

Department of Reagent Product R&D

**For research use only. Not intended for human and animal therapeutic or diagnostic use.**

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