

Version: 01

Update: 06/07/2022

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	CHO-K1/SST4/Gα15
Cat. No.	M00334
Lot No.	R10082106
Host Cell:	CHO-K1/Gα15
Target Gene:	SST4
Size:	2 vials of frozen cells, > 1x10 <sup>6</sup> cells/vial
Shipping Condition:	Dry Ice (-80°C )
Storage Condition:	Liquid Nitrogen (-196°C)

### Stable Cell Line Information

**Recommended Cell Culture Medium:** Ham's F-12K (Kaighn's), 10% FBS, 400 µg/ml G418, 100 µg/ml Hygromycin B

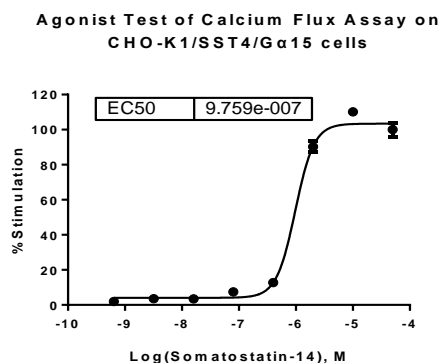
**Freeze Medium:** 45% culture medium, 45% FBS, 10% DMSO

**Application:** Calcium Flux assay and cAMP assay on SST4 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	98.99%
Quantity	>1x10 <sup>6</sup> cells/vial	2.79x10 <sup>6</sup> cells/vial

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

### Calcium Flux assay



Somatostatin-14 induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/SST4/Gα15 cells, EC<sub>50</sub> = 9.759x10<sup>-7</sup> M.

南京金斯瑞生物科技有限公司

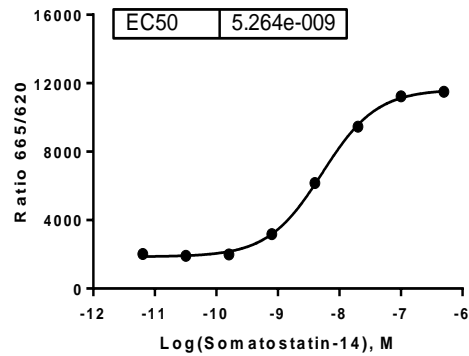
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## cAMP Assay

Agonist test of cAMP assay in CHO-K1/SST4/Gα15 Cells



Somatostatin-14 induced concentration-dependent stimulation of cAMP in CHO-K1/SST4/Gα15 cells,  $EC_{50}=5.264 \times 10^{-9}$  M.

Date: 06/07/2022

Approved by: Dan Jiang

Department of Reagent Product R&D

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