

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name	CHO-K1/CALCR/Gα15
Cat. No.	M00320
Lot No.	R10092005-4
Host Cell:	CHO-K1/ Gα15
Target Gene:	CALCR
Quantity:	2 vials of frozen cells, > 1x10 <sup>6</sup> cells/vial
Shipping Condition:	Dry Ice
Storage Condition:	Liquid Nitrogen recommended, thaw and recovery the cells in 1 year from date received

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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% + 10% DMSO (V/V)

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

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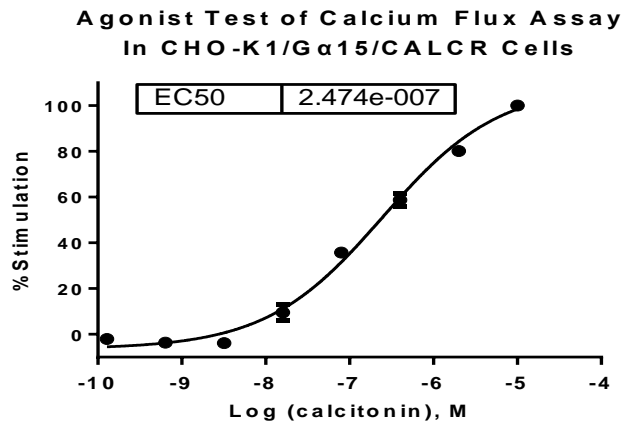
Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	93%
Function assay	Calcium Flux assay	EC <sub>50</sub> = 2.474x10 <sup>-7</sup> M
Function assay	cAMP assay	EC <sub>50</sub> = 6.713x10 <sup>-9</sup> M

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

## Appendix

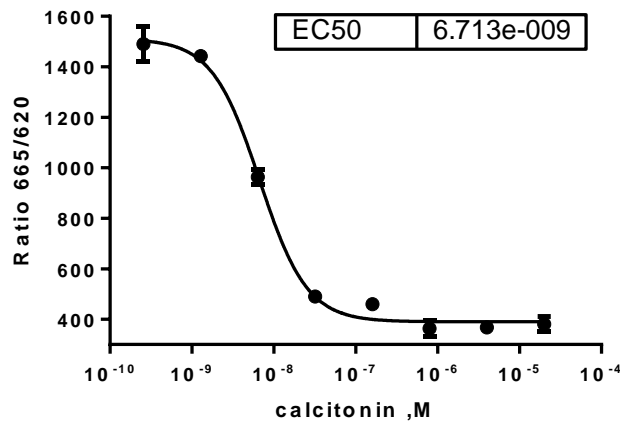
### Calcium Flux assay



Calcitonin induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/CALCR/Gα15 cells,  $EC_{50} = 2.474 \times 10^{-7} M$ .

### cAMP Assay

**cAMP Accumulation in CHO-K1/CALCR/Gα15 cells**



Calcitonin induced concentration-dependent stimulation of intracellular cAMP in CHO-K1/CALCR/Gα15 cells,  $EC_{50} = 6.713 \times 10^{-9} M$ .

### 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.

Certified by:

*Wang Yan*

Date: 07/09/2020

Department of Biologics Development Director