

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name	CHO-K1/M5
Cat. No.	M00186
Lot No.	R10041809
Host Cell:	CHO-K1
Target Gene:	M5
Quantity:	1 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, 200 µg/ml Zeocin

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

**Application:** Intracellular calcium mobilization on M5 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> = 1.884×10 <sup>-7</sup> M

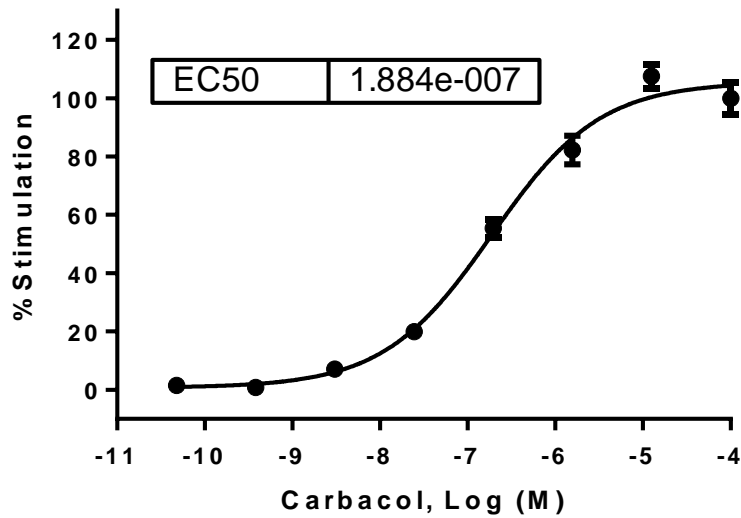
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\* The mycoplasma test was performed with MycoAlert™ PLUS Mycoplasma Detection Kit of Lonza.

## Appendix

### Calcium Flux Assay

#### Agonist Test Of Calcium Flux Assay on CHO-K1/M5 cells



Carbacol induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/M5 cells,  $EC_{50} = 1.884 \times 10^{-7}$  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:

*Wang Yan*

Date: 11/12/2018

Department of New Technology