

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	CHO-K1/CASR
Cat. No.	M00434
Lot No.	B30011709
Host Cell:	CHO-K1
Target Gene:	CASR
Quantity:	1 vials of frozen cells, >1x10 <sup>6</sup> cells/vial
Shipping Condition:	Dry Ice
Recommended Storage Condition:	Liquid Nitrogen

### Stable Cell Line Information

**Recommended Cell Culture Medium:** Ham's F12, 10% FBS, 200 µg/ml Zeocin

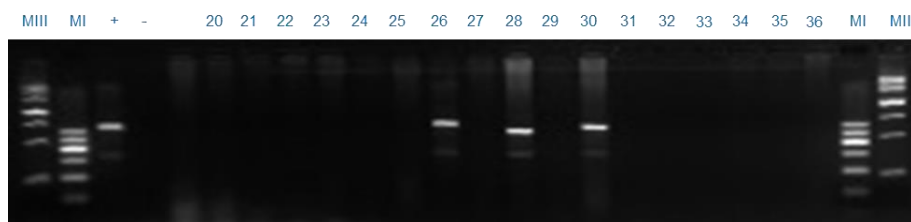
**Freeze Medium:** 45% Culture Medium, 45%FBS, 10% (V/V) DMSO

**Application:** Functional assay for CHO-K1/CASR

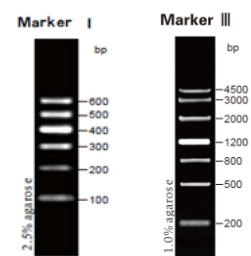
Test Item	Specification	Result
Mycoplasma 160	Negative.	Negative., Appendix 1
Functional assay	Calcium assay	EC <sub>50</sub> = 0.35 mM.

### Appendix

#### Appendix 1: Mycoplasma 160



Lane 34 CHO-K1/CASR



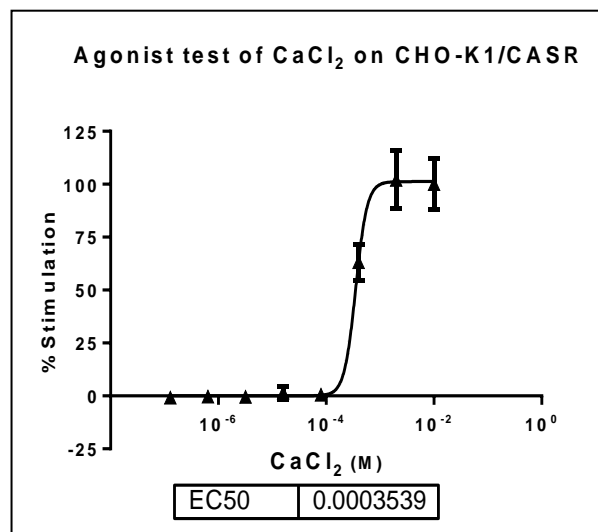
**Appendix 2 : Calcium assay**


Figure 2. CaCl<sub>2</sub>-induced concentration-dependent stimulation of intracellular calcium mobilization in CHOK1/CASR and CHO-K1 cells. The cells were loaded with Calcium-4 prior to stimulation with a CASR receptor agonist, CaCl<sub>2</sub>. The intracellular calcium change was measured by FLIPR. The relative fluorescent units (RFU) were plotted against the log of the cumulative doses (5-fold dilution) of Zeocin (Mean ± SD, n = 4). The EC<sub>50</sub> of CaCl<sub>2</sub> on CASR in CHO-K1 cells was 0.35 mM. The S/B of CaCl<sub>2</sub> on CASR in CHO-K1 cells was 26.

**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: 12/15/2017  
 Department of Biologics Development Director