

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/Gα15/M4
Cat. No.	M00238
Lot No.	B80031711
Host Cell:	CHO-K1
Target Gene:	M4
Quantity:	2 vials of frozen cells, > 1x10 ⁶ cells/vial
Shipping Condition:	Dry Ice
Recommended Storage Condition:	Liquid Nitrogen

Stable Cell Line Information

Recommended Cell Culture Medium: F12 + 10% FBS + 100 µg/ml Hygromycin B + 200 µg/ml Zeocin

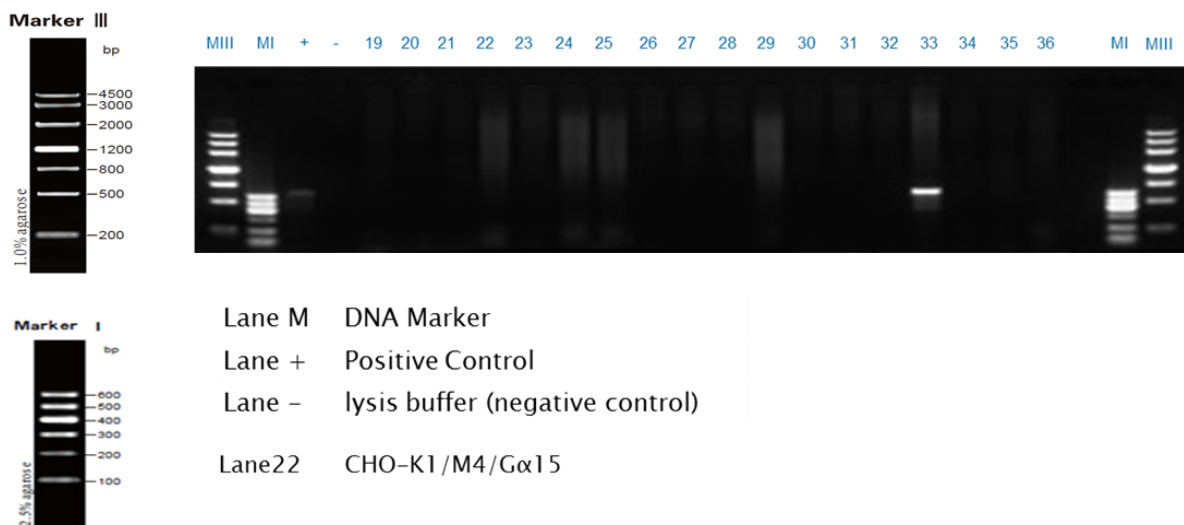
Freeze Medium: 45% Culture Medium, 45%FBS, 10% (V/V) DMSO

Application: Functional assay for M4

Test Item	Specification	Result
Mycoplasma 160	Negative.	Negative., Appendix 1
Functional assay	Calcium flux	EC ₅₀ = 20.7 nM

Appendix

Appendix 1: Mycoplasma 160



Appendix 2 : Calcium assay

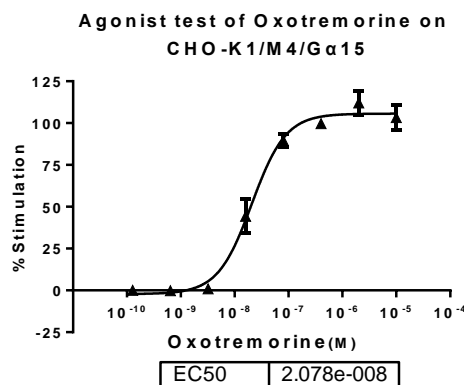


Figure 1. Oxotremorine-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO K1/M4/G α 15 cells. The cells were loaded with Calcium-4 prior to stimulation with an M4 receptor agonist, Oxotremorine. The intracellular calcium change was measured by FLIPR. The relative fluorescent units (RFU) were plotted against the log of the cumulative doses (5-fold dilution) of Oxotremorine (Mean \pm SD, n = 4). The EC50 of Oxotremorine on M4 co-expressing with G α 15 in CHO-K1 cells was 20.7 nM. The S/B of Oxotremorine on M4 co-expressing with G α 15 in CHO-K1 cells was 19.7.

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: 11/06/2017
 Department of Biologics Development Director