

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/M2/Gα15
Cat. No.	M00258
Lot No.	B80131711
Host Cell:	CHO-K1
Target Gene:	M2
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 + 200 µg/ml Zeocin + 100 µg/ml Hygromycin B

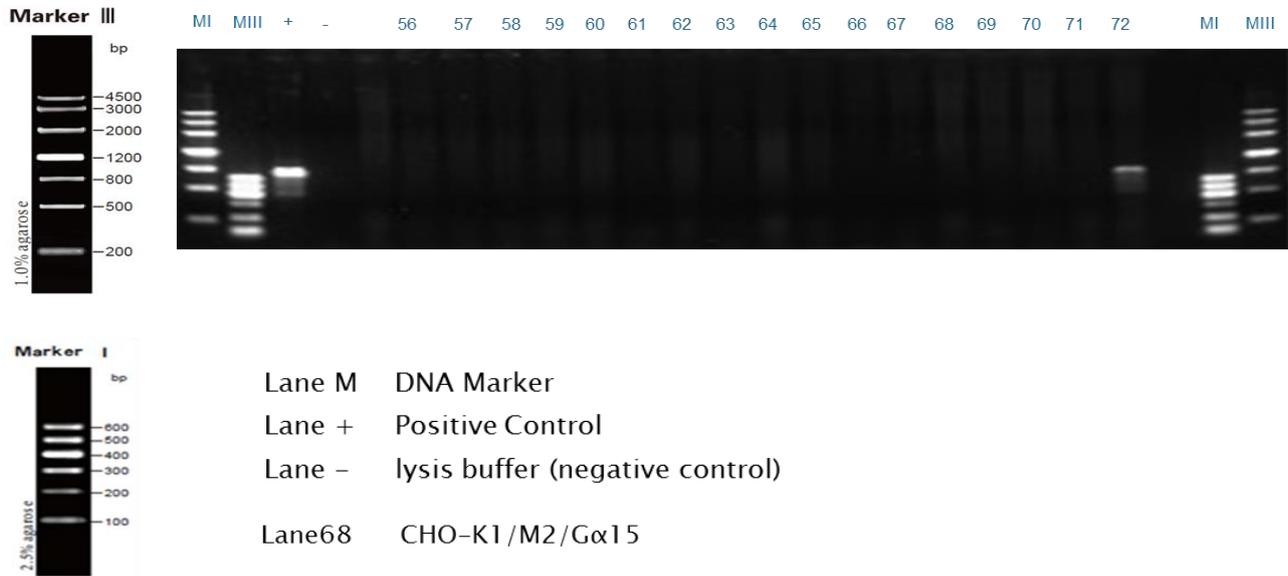
Freeze Medium: 45% Culture Medium, 45%FBS, 10% (V/V) DMSO

Application: Functional assay for M2

Test Item	Specification	Result
Mycoplasma 160	Negative.	Negative., Appendix 1
Functional assay	Calcium flux	EC ₅₀ = 7.81 nM

Appendix

Appendix 1: Mycoplasma 160



Appendix 2 : Calcium assay

Agonist test of Oxotremorine on CHO-K1/M2/Gα15

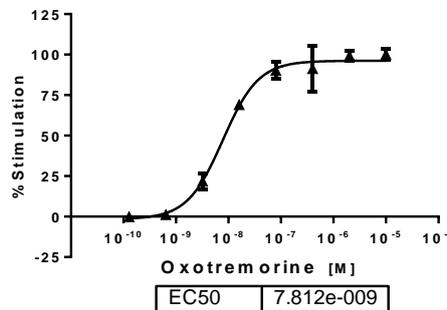


Figure 1. Oxotremorine-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/Gα15/M2 cell. The cells were loaded with Calcium-4 prior to stimulation with an M2 receptor agonist, Oxotremorine. The intracellular calcium change was measured by FLIPR. The relative fluorescent units (RFU) were plotted against the log of the cumulative doses (5-fold dilution) of Oxotremorine (Mean ± SD, n = 4). The EC50 of Oxotremorine on M2 in CHO-K1 cells was 7.81 nM. The S/B of Oxotremorine on M2 in CHO-K1 cells was 21.8.

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: *Leon Soy* Date: 11/27/2017
Department of Biologics Development Director

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