

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/Gα15/MC4R Clone 92
Cat. No.	M00272
Lot No.	R10102105-3
Host Cell:	CHO-K1/Gα15
Target Gene:	MC4R
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: Ham's F-12K (Kaighn's), 10% FBS, 100 µg/ml Hygromycin B, 8 ug/ml Puromycin

Freeze Medium: 45% Ham's F-12K, 45% FBS, 10% DMSO

Application: Intracellular calcium mobilization assay on MC4 receptor.

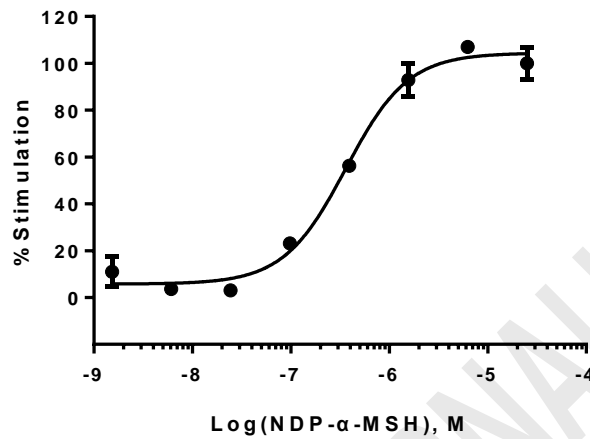
Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	94.9%
Function assay	Calcium Flux assay	EC ₅₀ = 3.617X10 ⁻⁷ M

* 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/Gα15/MC4R cells



NDP-α-MSH induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/Gα15/MC4R Clone 92 cells, $EC_{50}=3.617 \times 10^{-7}$ 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: *Jinhong Chen*
Department of New Technology

Date: 09/13/2021