

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/NTS1
Cat. No.	M00194
Lot No.	R10212104-2
Host Cell:	CHO-K1
Target Gene:	NTS1
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, 10% FBS, 400 µg/ml G418

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

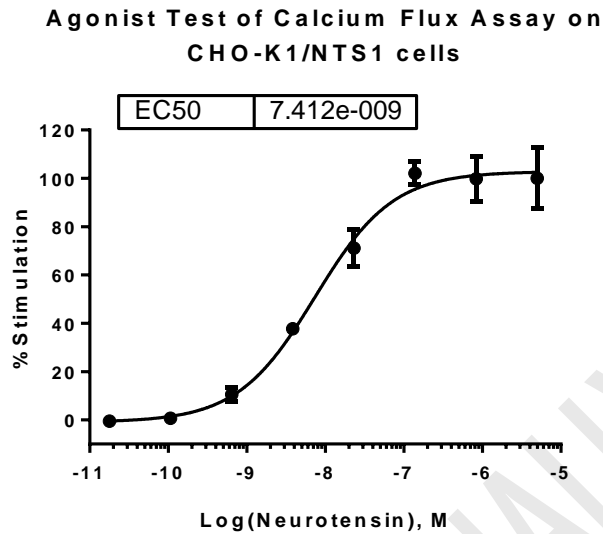
Application: Intracellular calcium mobilization assay on NTS1 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium Flux assay	EC ₅₀ = 7.412x10 ⁻⁹ M

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

Appendix

Calcium Flux Assay



Neurotensin induced concentration-dependent stimulation of intracellular calcium mobilization on CHO-K1/NTS1 cells, $EC_{50}=7.412 \times 10^{-9}$ 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: *Dan Jiang* Date: 05/20/2021
Department of New Technology