

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/5-HT1A/Gα15
Cat. No.	M00330
Lot No.	R10121912-4
Host Cell:	CHO-K1/Gα15
Target Gene:	5-HT1A
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, 100 µg/ml Hygromycin B, 200 µg/ml Zeocin

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

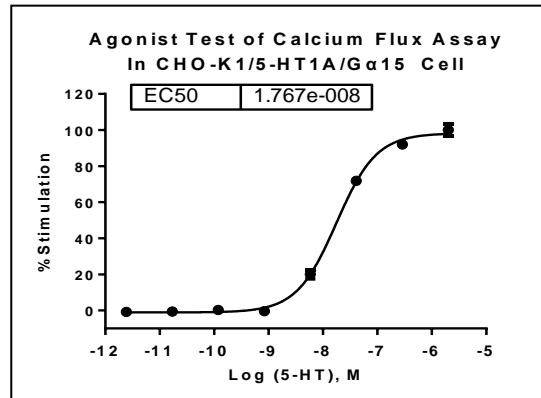
Application: Calcium flux assay on 5-HT1A receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	Conformed
Function assay	Calcium flux assay	EC ₅₀ =1.767x10 ⁻⁸ M

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

Appendix

1. Calcium Flux Assay



5-HT induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/5-HT1A/Gα15 cell, $EC_{50} = 1.767 \times 10^{-8}$ 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:

Wang Yan

Date: 01/08/2020

Department of New Technology