

CERTIFICATE OF ANALYSIS

Product Information

Product Name	HEK293/5-HT2C
Cat. No.	M00319
Lot No.	R10091906-3
Host Cell:	HEK293
Target Gene:	5-HT2C
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: DMEM, 10% FBS, 300 µg/ml G418

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

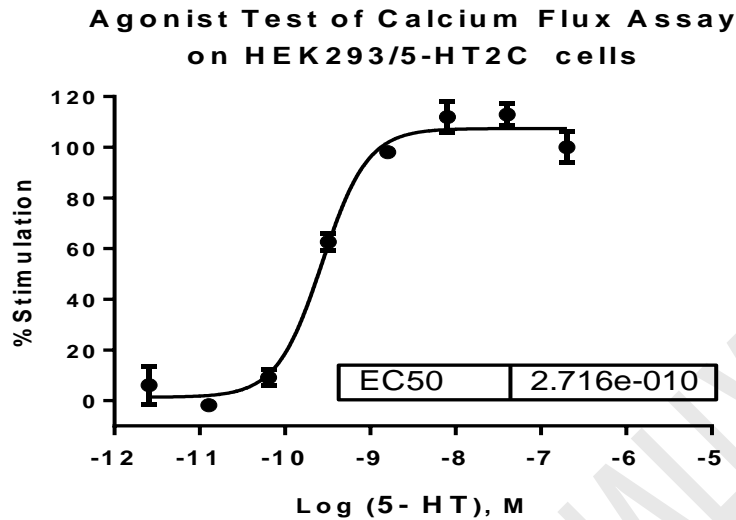
Application: Calcium flux assay on 5-HT2C receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium flux assay	EC ₅₀ =2.716×10 ⁻¹⁰ 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 HEK293/5-HT2C cell, $EC_{50} = 2.716 \times 10^{-10}$ 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: 07/02/2019
Department of New Technology