

CERTIFICATE OF ANALYSIS

Product Information

Product Name	HEK293/5-HTR7/CRE-Luc
Cat. No.	M00423
Lot No.	R10181908-6
Host Cell:	HEK293
Target Gene:	5-HTR7
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, 200 µg/ml zeocin, 100 µg/ml Hygromycin B

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

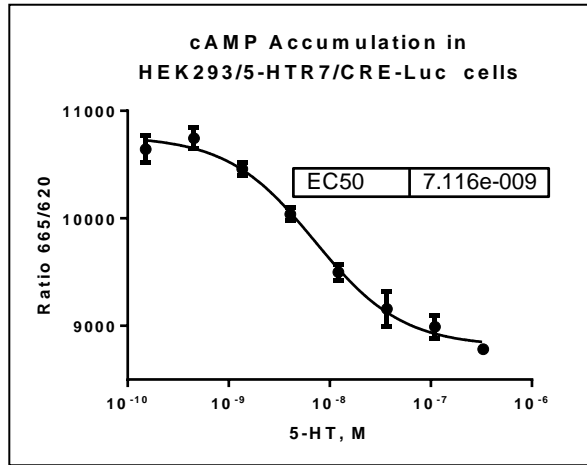
Application: cAMP assay and Luciferase Assay on 5-HTR7 receptor.

Test Item	Specification	Result
Mycoplasma	Not detected*	Not detected*
Cell viability	>90%	95%
Function assay	cAMP assay	EC ₅₀ =7.116×10 ⁻⁹ M
Function assay	Luciferase Assay	EC ₅₀ =1.607×10 ⁻⁸ M

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

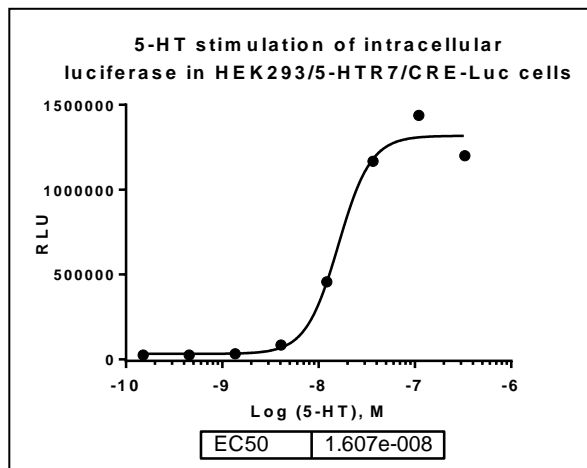
Appendix

1. cAMP assay



5-HT induced concentration-dependent stimulation of intracellular cAMP accumulation in HEK293/5-HTR7/CRE-Luc cells, EC₅₀ = 7.116 × 10⁻⁹ M

2. Luciferase assay



5-HT induced concentration-dependent stimulation of intracellular luciferase change in HEK293/5-HTR7/CRE-Luc cells, EC₅₀ = 1.607 × 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 Yue* Date: 09/17/2019
 Department of New Technology