

CERTIFICATE OF ANALYSIS

Product Information

Product Name	293/5-HT7/CRE-Luc
Cat. No.	M00423
Lot No.	B80091711
Host Cell:	293
Target Gene:	5-HT7
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

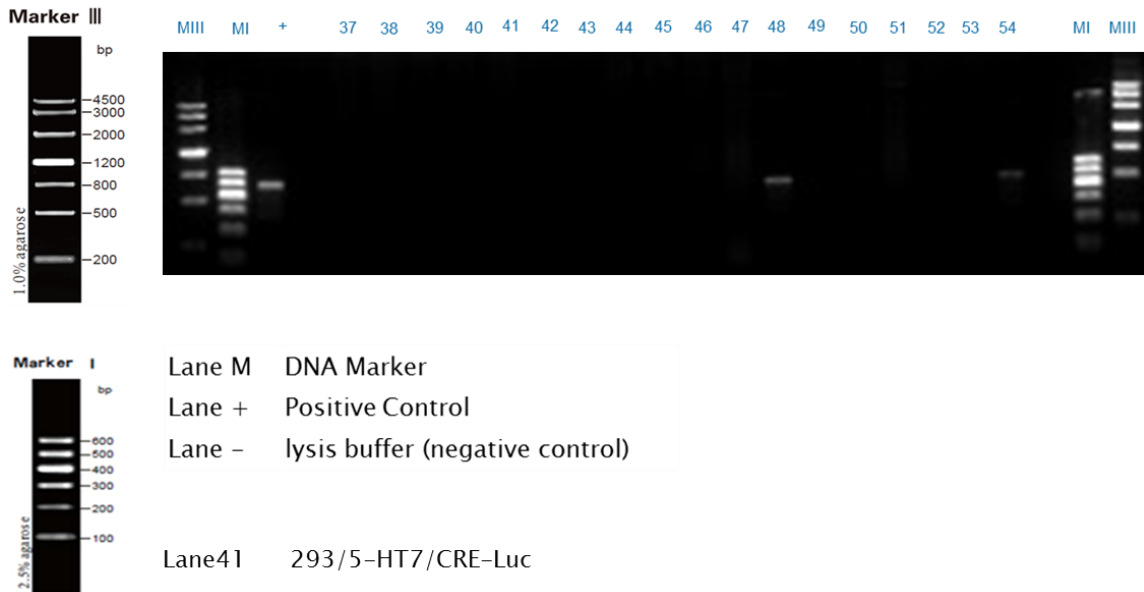
Freeze Medium: 45% Culture Medium, 45%FBS, 10% (V/V) DMSO

Application: Functional assay for 5-HT7

Test Item	Specification	Result
Mycoplasma 160	Negative.	Negative., Appendix 1
Functional assay	Luciferase assay	EC ₅₀ = 24.1 nM

Appendix

Appendix 1: Mycoplasma 160



Appendix 2 : Luciferase assay

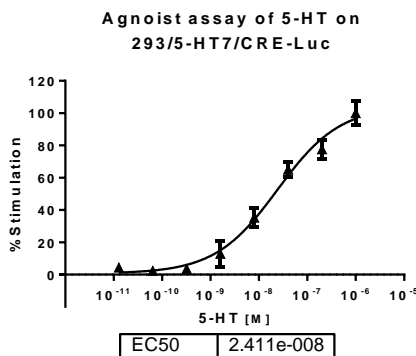


Figure 1. 5-HT-induced concentration-dependent stimulation of intracellular luciferase in 293/5-HTR7/CRE-Luc cell. After stimulation with 5-HT7 receptor agonist, 5-HT. The intracellular luciferase was measured with One-Glo™ Luciferase Assay System. The effects of agonist (%Stimulation) were plotted against the log of the cumulative doses (5-fold dilution) of 5-HT (Mean ± SD, n = 4). The EC50 of 5-HT on 5-HT7 in 293 cells was 24.1 nM. The S/B of 5-HT on 5-HT7 in 293 cells was 8.

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: *Leon Soy* Date: 11/17/2017
 Department of Biologics Development Director