

CERTIFICATE OF ANALYSIS

Product Information

Product Name	HEK293/CRE-Luc/GLP1R Stable Cell Line
Cat. No.	M00562
Lot No.	B80061709
Host Cell:	HEK293/CRE-Luc
Target Gene:	GLP-1
Quantity:	2 vials of frozen cells, > 1x10 ⁶ cells/vial
Shipping Condition:	Dry Ice
Storage Condition:	Liquid Nitrogen recommended, thaw and recovery the cells in 1 year from date received

Stable Cell Line Information

Recommended Cell Culture Medium: DMEM + 10% FBS + 400 µg/ml G418 + 100 µg/ml Hygromycin B

Freeze Medium: 90%FBS, 10% (V/V) DMSO

Application: Functional assay for HEK293/CRE-Luc/GLP1R Stable Cell Line

Note: The cells should be cultured in cell culture medium without antibiotics first for about 3-4 days after the cell thawing. The antibiotics (G418 and Hygromycin B) will be used when the cells recover.

Test Item	Specification	Result
Mycoplasma	Not detected*	Not detected*
Functional assay	Luciferase assay	EC ₅₀ = 4.54 nM

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

Appendix

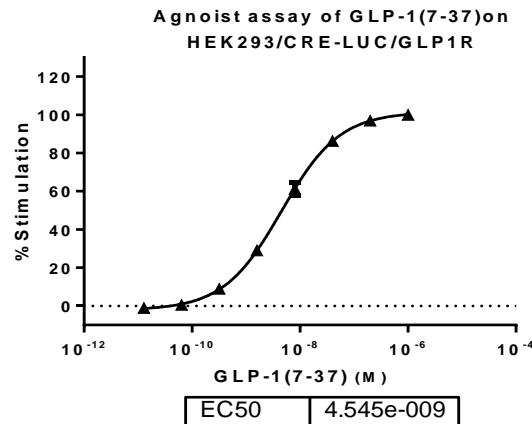


Figure 1. GLP-1(7-37)-induced concentration-dependent stimulation of intracellular cAMP (Luciferase reporter) in HEK293/CRE-luc/GLP1R cells. After stimulation with GLP1R receptor agonist GLP-1(7-37), the cells are checked with One-Glo™ Luciferase Assay System and the relative luminescence units (RLU) were recorded on PheraStar. The RLU were plotted against the log of the cumulative doses of GLP-1(7-37) (Mean ± SD, n = 4). The EC50 of GLP-1(7-37) on GLP1R co-expressing with CRE-Luc in HEK293 cells was 4.5 nM. The S/B of GLP-1(7-37) on GLP1R co-expressing with CRE-Luc in HEK293 cells was 135.

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.

Certified by: *Felix. Zhu* Date: 10/09/2017
 Department of Biologics Development Director