

CERTIFICATE OF ANALYSIS

Product Information

Product Name	HEK293/CRE-luciferase/GLP1R
Cat. No.	M00562
Lot No.	R10161911-3
Host Cell:	HEK293
Target Gene:	GLP1R
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, 400 µg/ml G418, 100 µg/ml Hygromycin B

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

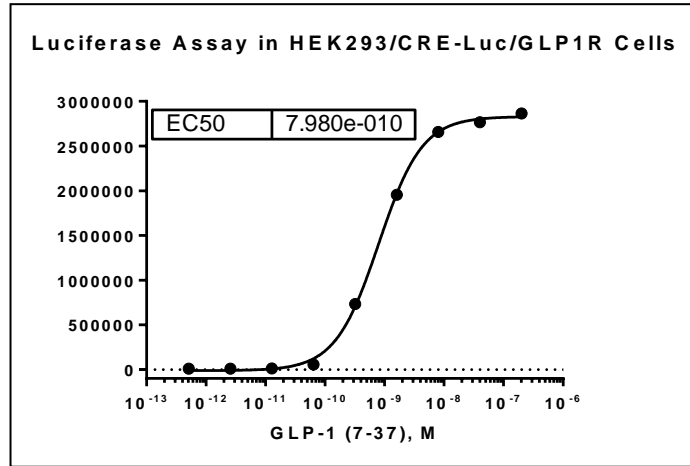
Application: Functional assay for HEK293/CRE-luciferase/GLP1R

Test Item	Specification	Result
Mycoplasma	Not detected*	Not detected*
Cell viability	>90%	95%
Function assay	cAMP assay	EC ₅₀ =3.663 nM
Function assay	Luciferase assay	EC ₅₀ =0.798 nM

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

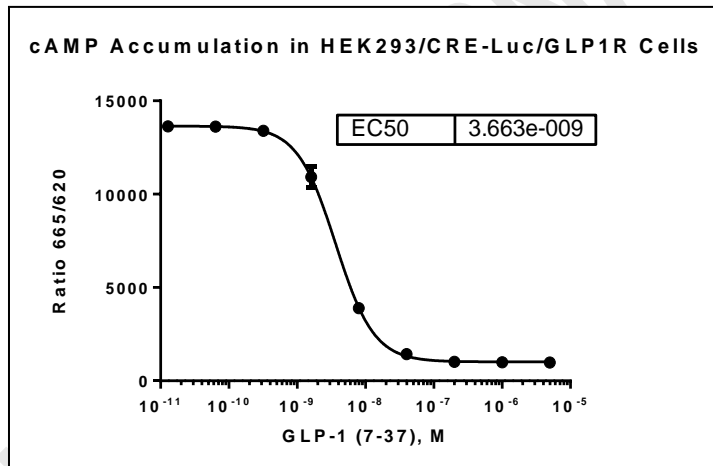
Appendix

1. Luciferase assay



GLP-1(7-37) induced concentration-dependent stimulation of intracellular Luciferase accumulation in HEK293/CRE-luciferase/GLP1R cells. EC₅₀=7.980×10⁻¹⁰ M.

2. cAMP assay



GLP-1(7-37) induced concentration-dependent stimulation of intracellular cAMP accumulation in HEK293/CRE-luciferase/GLP1R cells. EC₅₀=3.663×10⁻⁹ 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: 01/20/2020

Department of New Technology