

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	HEK293/CRE-Luc /GLP1R
Cat. No.	M00562
Lot No.	R10052109-2
Host Cell:	HEK293/CRE-Luc
Target Gene:	GLP1R
Quantity:	2 vials of frozen cells, > 1x10 <sup>6</sup> cells/vial
Shipping Condition:	Dry Ice
Recommended Storage Condition:	Liquid Nitrogen

### Stable Cell Line Information

**Recommended 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

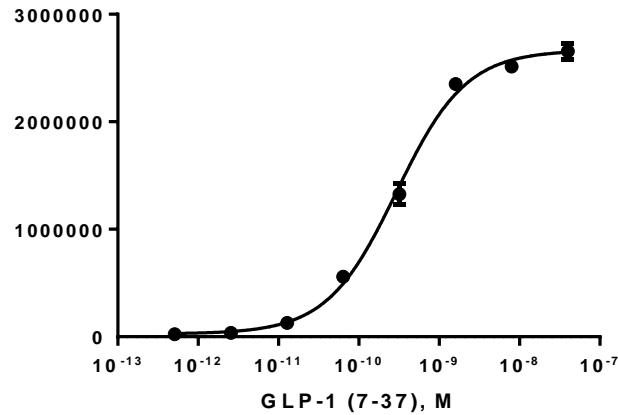
Test Item	Specification	Result
Mycoplasma	Negative*	Negative *
Cell viability	>90%	94.47%
Function assay	Luciferase assay	EC <sub>50</sub> = 2.938×10 <sup>-10</sup> M

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

## Appendix

### 1. Luciferase assay

#### Luciferase Assay in HEK293/CRE-Luc/GLP-1R Cells



GLP-1(7-37) induced concentration-dependent stimulation of intracellular Luciferase accumulation in HEK293/CRE-Luc /GLP1R cells.  $EC_{50}=2.938 \times 10^{-10}$  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: *Min Qiu* Date: 09/18/2021  
Department of New Technology