

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/GLP1/Gα15 Stable Cell Line
Cat. No.	M00451
Lot No.	B80101709
Host Cell:	CHO-K1/Gα15
Target Gene:	GLP1
Quantity:	Two vials of frozen cells (>1×10 ⁶ per 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: Ham's F12, 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 GLP1 receptor

Test Item	Specification	Result
Mycoplasma	Not detected*	Not detected*
Functional assay	Calcium flux	EC ₅₀ = 85.65 nM

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

Appendix

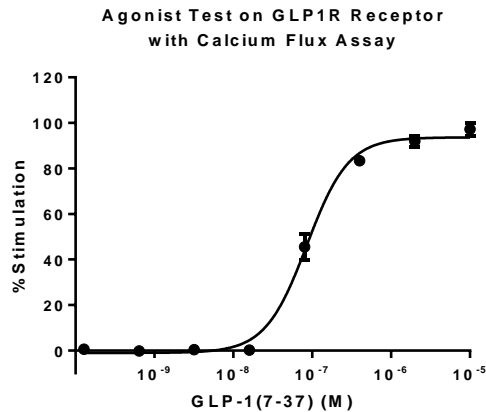


Figure 1. GLP-1 (7-37)-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/GLP1/Gα15 cells. The cells were loaded with Calcium-4 prior to stimulation with a GLP1 receptor agonist, GLP-1 (7-37). The intracellular calcium change was measured by FLIPR. The %stimulation was plotted against the log of the cumulative doses (5-fold dilution) of GLP-1 (7-37) (Mean ± SD, n = 4). The EC50 of GLP-1 (7-37) on GLP1 co-expressing with Gα15 in CHO-K1 cells was 85.65 nM. The S/B of GLP-1 (7-37) on GLP1 co-expressing with Gα15 in CHO-K1 cells was 20.

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: 07/10/2018
 Department of Biologics Development Director