

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/GLP2/G α 15 Stable Cell Line
Cat. No.	M00307
Lot No.	B80021803
Host Cell:	CHO-K1
Target Gene:	GLP2
Quantity:	2 tube of frozen cells, > 1x10 ⁶ cells/tube
Shipping Condition:	Dry Ice
Recommended Storage Condition:	Liquid Nitrogen

Stable Cell Line Information

Recommended Cell Culture Medium: F12+ 10% FBS + 100 μ g/ml HB+200 μ g/ml Zeocin

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

Cell seeding Medium: F12+ 10% FBS

Application: Functional assay for GLP2

Test Item	Specification	Result
Lonza-180	Negative	Negative, Appendix 1
Hoechst Staining	Negative	Negative, Appendix 2
Functional assay	cAMP	EC ₅₀ = 8.29 nM

Appendix

Appendix 1: Lonza-180

Product Name	Ratio	Results	NC
CHO-K1/GLP2/Gα15 Stable Cell Line	0.56	Negative	0.06

Note: Positive Control: Ratio = Luminescence A/B >1; Negative Control: Ratio = Luminescence A/B <1; Luminescence A means read A (before the addition of the MycoAlert™ PLUS Substrate); Luminescence B means read B (after the addition of the MycoAlert™ PLUS Substrate);

Appendix 2: Hoechst Staining

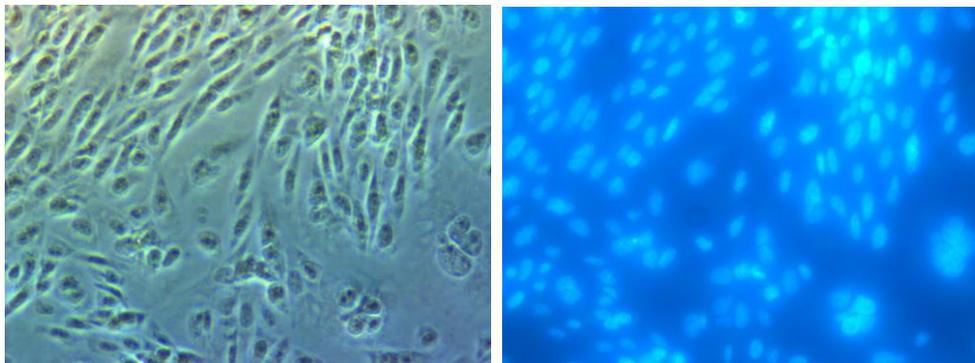


Figure 1. The cells were stained with Hoechst dye and observed under the microscope. No homogeneous little blue specks was detected and no mycoplasma contamination occurred

Appendix 3 : cAMP assay

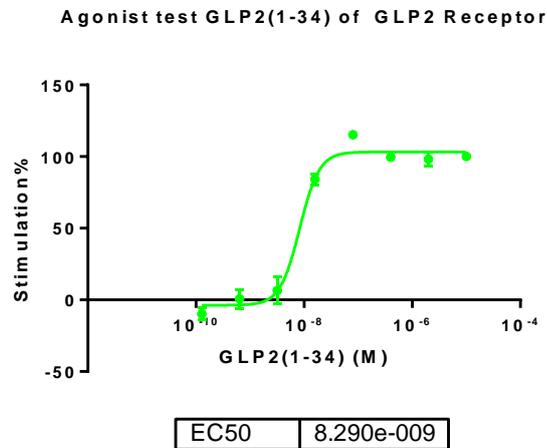
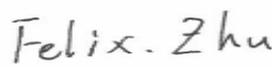


Figure 2. This cell based assay is based on HTRF® technology (Homogeneous Time-Resolved Fluorescence). It is a competitive immunoassay that uses cAMP labeled with the d2 acceptor fluorophore and an anti-cAMP monoclonal AB labeled with Europium Cryptate. The FRET signal decreases as cAMP concentration rises. The EC50 of GLP2(1-34) on receptor in CHO-K1 cells was 8.29 nM.

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: Date: 05/24/2018
 Department of Biologics Development Director

Packing List

Cell line: (Shipping Condition: -80°C Dry Ice, Store at -196°C)

Name: CHO-K1/GLP2/Gα15 Stable Cell Line

Quantity: 1x10⁶ cells/tube

Lot No.: B80021803

Number of vial: 2 tube

Store at: -196°C