

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/AGTRL1/Gα15 Stable Cell Line
Cat. No.	M00245
Lot No.	B80111710
Host Cell:	CHO-K1
Target Gene:	AGTRL1
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: F12 + 10% FBS + 400 µg/ml G418+100 µg/mlHB

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

Application: Functional assay for AGTRL1

Test Item	Specification	Result
Lonza-180	Negative.	Negative., Appendix 1
Hoechst Staining	Negative.	Negative., Appendix 2
Functional assay	Calcium flux	EC ₅₀ = 4.92 nM

Appendix

Appendix 1: Lonza-180

Product Name	Ratio	Results	NC
CHO-K1/AGTRL1/Gα15 Stable Cell Line	0.99	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);

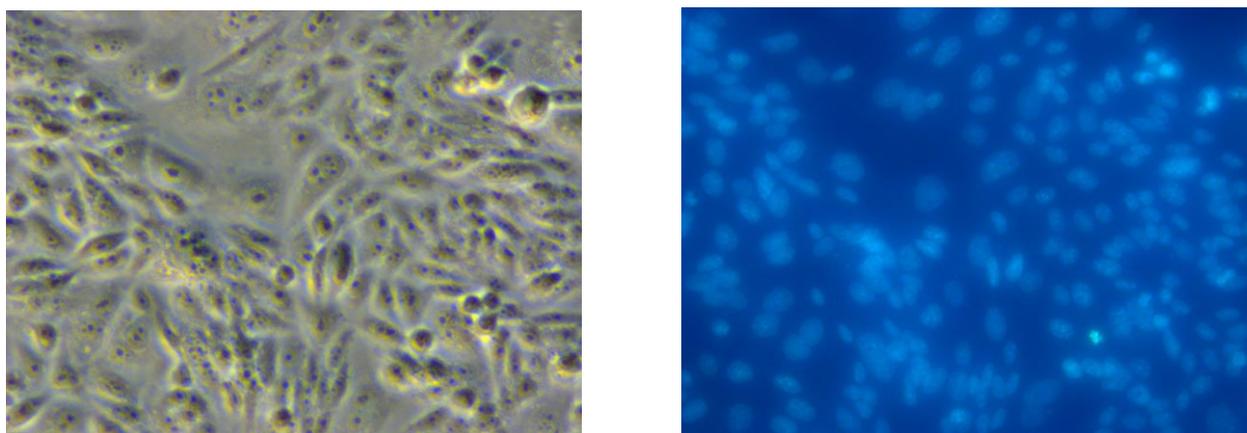
Appendix 2: Hoechst Staining


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 : Calcium assay

Agonist test of Apelin-13 on CHO-K1/AGTRL1

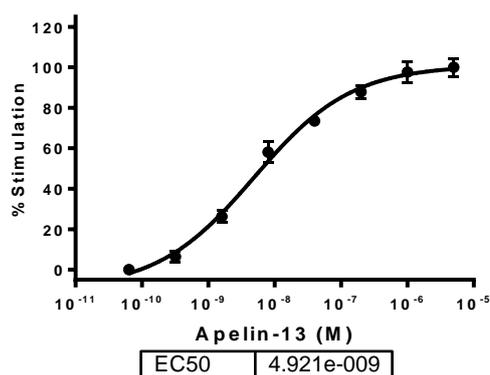


Figure 2. Apelin-13-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/AGTRL1 cells. The cells were loaded with Calcium-4 prior to stimulation with an AGTRL1 receptor agonist, Apelin-13. The intracellular calcium change was measured by FLIPR. The effects of agonist (%Stimulation) were plotted against the log of the cumulative doses (5-fold dilution) of Apelin-13 (Mean \pm SD, n = 3). The EC50 of Apelin-13 on CHO-K1/AGTRL1 in CHO-K1 cells was 4.92 nM. The S/B of Apelin-13 on AGTRL1 in CHO-K1 cells was 6.75.

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: *Felix Zhu* Date: 05/14/2018
 Department of Biologics Development Director

Packing List

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

Name: CHO-K1/AGTRL1/Gα15 Stable Cell Line

Quantity: 1x10⁶ cells/vial

Lot No.: B80111710

Number of vial: 2 vials

Store at: -196°C