

Version: 01

Update: 05/08/2023

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/MTLR/Gα15
Cat. No.	M00347
Lot No.	R50422603
Host Cell:	CHO-K1/Gα15
Target Gene:	MTLR
Size:	2 vials of frozen cells, > 1x10 ⁶ cells/vial
Shipping Condition:	Dry Ice (-80°C)
Storage Condition:	Liquid Nitrogen (-196°C)

Stable Cell Line Information

Recommended Cell Culture Medium: Ham's F-12K (Kaighn's), 10% FBS, 400 µg/ml G418, 100 µg/ml Hygromycin B

Freeze Medium: 45% culture medium, 45% FBS, 10% DMSO

Application: Calcium Flux assay targeting MTLR receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	96.68%
Quantity	>1x10 ⁶ cells/vial	2.16 x10 ⁶ cells/vial

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

Calcium Flux assay

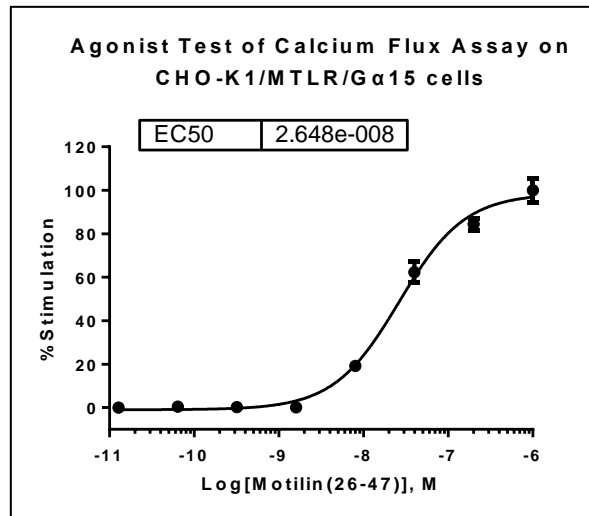


Figure 1. Motilin (26-47)-induced calcium influx assay in CHO-K1/MTLR/Gα15 cells, $EC_{50} = 2.648 \times 10^{-8}$ M.

Date: 05/08/2023

Approved by: *Dan Jiang*

Department of Reagent Product R&D

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