

Version: 01

Update: 09/28/2023

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/CRF1/Gα15
Cat. No.	M00343
Lot No.	R50322A03
Host Cell:	CHO-K1/Gα15
Target Gene:	CRF1
Size:	2 vials of frozen cells (> 1×10 ⁶ per vial in 1 ml)
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

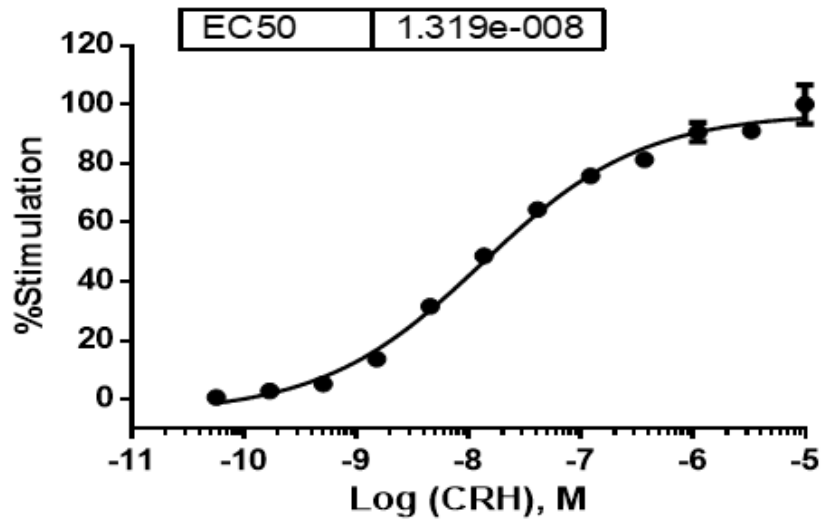
Application: Calcium Flux assay on CRF1 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	98.42%
Quantity	>1×10 ⁶ cells/vial	2.59×10 ⁶ cells/vial

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

Calcium Flux assay

Agonist Test of Calcium Flux Assay on CHO-K1/Gα15/CRF1 Cells



CRH (Corticotropin Releasing Factor)-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/CRF1/Gα15 cells, $EC_{50} = 1.319 \times 10^{-8}$ M.

Date: 09/28/2023

Approved by: *Min Qiu*

Department of Reagent Product R&D

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