

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/PAR2/Gα15 Stable Cell Line
Cat. No.	M00446
Lot No.	B80031804
Host Cell:	CHO-K1
Target Gene:	PAR2
Quantity:	2 vials of frozen cells, > 1x10 ⁶ cells/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: F12+ 10% FBS + 100 µg/ml HB+200 µg/ml Zeocin

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

Application: Functional assay for PAR2

Test Item	Specification	Result
Mycoplasma	Not detected*	Not detected*
Functional assay	Calcium flux	EC ₅₀ = 1.4 nM

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

Appendix

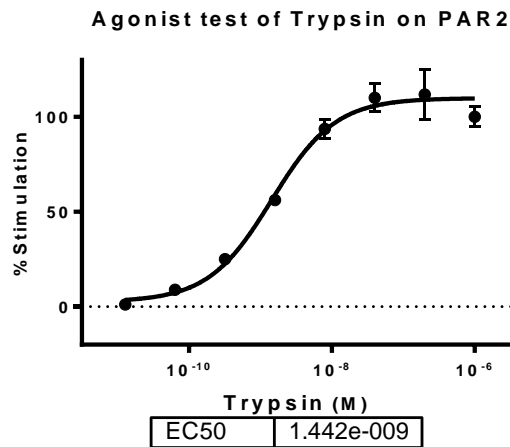


Figure 1. Trypsin-induced concentration-dependent stimulation of intracellular calcium mobilization in CHOK1/PAR2/Gα15 and CHO-K1/Gα15 cells. The cells were loaded with Calcium-4 prior to stimulation with a PAR2 receptor agonist, Trypsin. The intracellular calcium change was measured by FLIPR. The relative fluorescent units (RFU) were plotted against the log of the cumulative doses (5-fold dilution) of Trypsin (Mean ± SD, n = 3). The EC₅₀ of Trypsin on PAR2 co-expressing with Gα15 in CHO-K1 cells was 1.4 nM. The S/B of Trypsin on PAR2 co-expressing with Gα15 in CHO-K1 cells was 5.

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: 06/12/2018
 Department of Biologics Development Director