

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHOK1/ Gα15/ CXCR1
Cat. No.	M00524
Lot No.	B80061711
Host Cell:	CHOK1
Target Gene:	CXCR1
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: Ham's F12, 10% FBS, 3 µg/ml puromycin, 100 µg/ml Hygromycin B

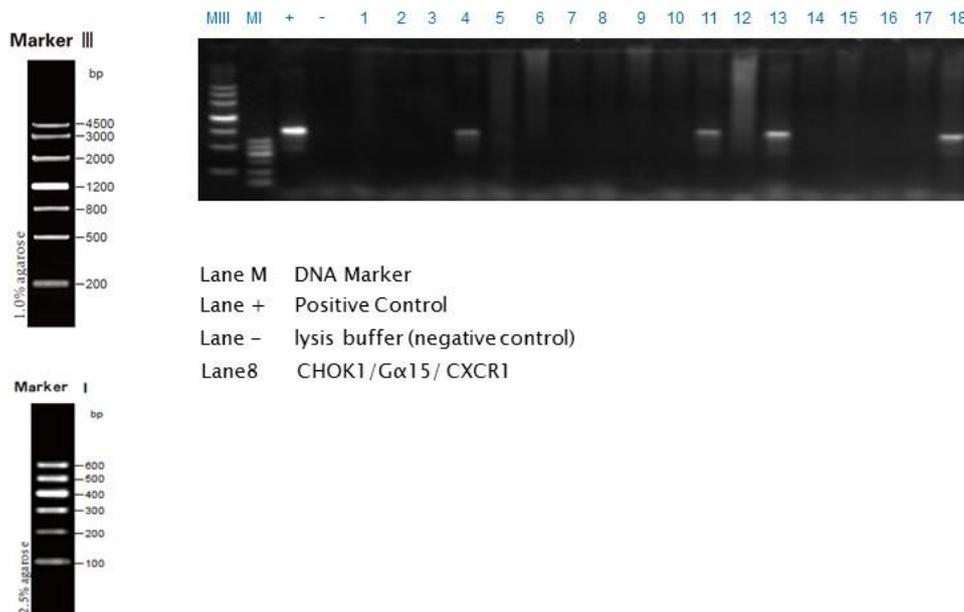
Freeze Medium: 45% Culture Medium, 45%FBS, 10% (V/V) DMSO

Application: Functional assay for CXCR1

Test Item	Specification	Result
Mycoplasma 160	Negative.	Negative., Appendix 1
Functional assay	Calcium flux	EC ₅₀ = 0.1834 µg/mL

Appendix

Appendix 1: Mycoplasma 160



Appendix 2 : Calcium assay

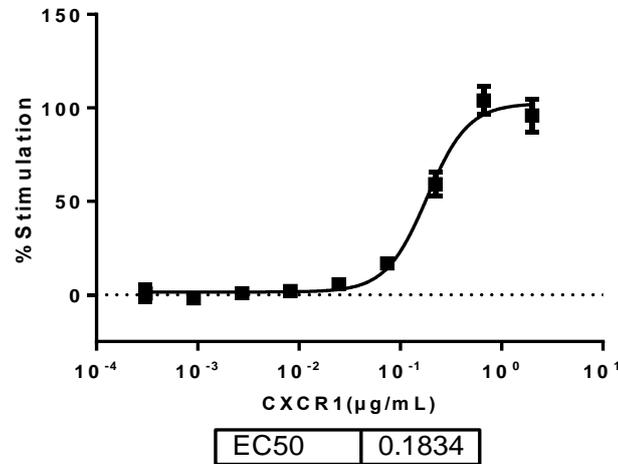
Agonist test of CXCR1 on CHO-K1/G α 15/CXCR1

Figure 1. IL-8-induced concentration-dependent stimulation of intracellular calcium mobilization in CHOK1/ G α 15/CXCR1 cells. The cells were loaded with Calcium-4 prior to stimulation with a CXCR1 receptor agonist, IL-8. 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 IL-8 (Mean \pm SD, n = 3). The EC50 of IL-8 on CXCR1 in CHOK1 cells was 0.1834 μ g/mL.

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: 11/09/2017
Department of Biologics Development Director