

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/CB1/ Gα ₁₅
Cat. No.	M00299
Lot No.	D20011607
Host Cell:	CHO-K1
Target Gene:	CB1
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, 100 µg/ml Hygromycin B, 200 µg/ml Zeocin.

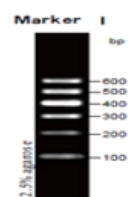
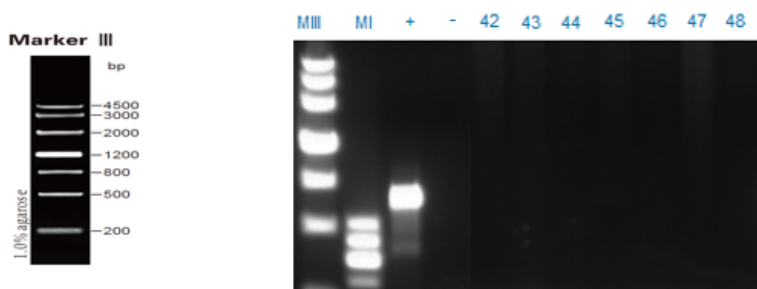
Freeze Medium: 45% Culture Medium, 45%FBS, 10% (V/V) DMSO

Application: Functional assay for CHO-K1/CB1/ Gα₁₅

Test Item	Specification	Result
Mycoplasma 160	Negative.	Negative., Appendix 1
Functional assay	Calcium assay	EC ₅₀ = 140.7 nM

Appendix

Appendix 1: Mycoplasma 160



Agarose gel electrophoresis for Mycoplasma detection

- Lane M DNA Marker
- Lane + Positive control
- Lane - lysis buffer (negative control)

Lane45 CHO-K1/CNR1(D20011607)

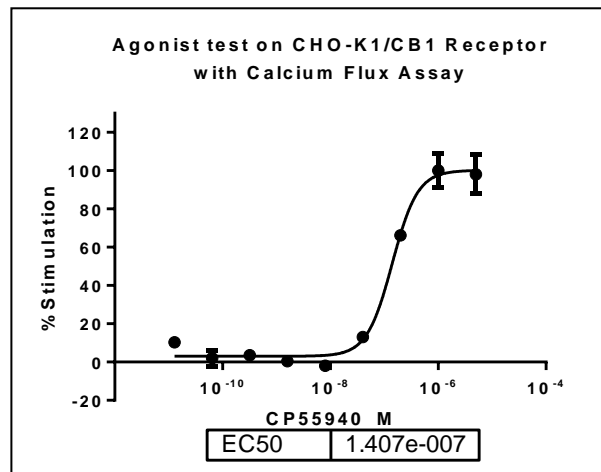
Appendix 2 : Calcium assay


Figure 2. CP55940-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/CNR1/Gα15 and CHO-K1/Gα15 cells. The cells were loaded with Calcium-4 prior to stimulation with a CNR1 receptor agonist, CP55940. The intracellular calcium change was measured by FLIPR. The EC50 of CP55940 on CNR1 co-expressing with Gα15 in CHO-K1 cells was 140.7 nM. The S/B of CP55940 on CNR1 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 representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by:  Date: 01/04/2018
 Department of Biologics Development Director