

Certificate of Analysis

I. Product Information

Cell line: CHO-K1/Gα15/AMY1

Cat No: M00557

Lot Number: D2031603

Host Cell: CHO-K1

Target gene: AMY1

Quantity: 2 vials of frozen cells

Shipping Conditions: Dry ice

Recommended Storage: Liquid Nitrogen

II. Stable Cell Line Information

Recommended Cell Culture Medium: Ham's F12(Gibco, cat#11765-054, 10% FBS (Gibco, cat#10099-141), 200 µg/ml Zeocin (Gibco, cat#10099-141), 100 µg/ml Hygromycin B (Gibco, cat#10687-010)

Freeze Medium: 45% Culture Medium, 45% FBS, 10% DMSO

Application: Functional assay for CHO-K1/Gα15/AMY1

QC: Calcium assay

Mycoplasma 160: Negative

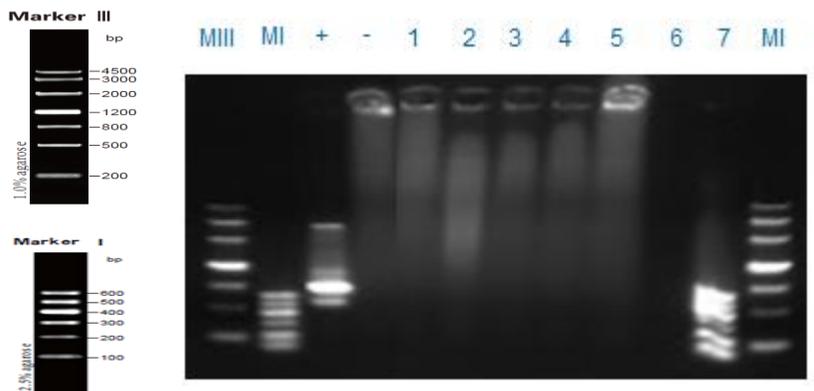


Figure 1.

Lane6	CHO-K1/Gα15/AMY1	Negative
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III. QC Data

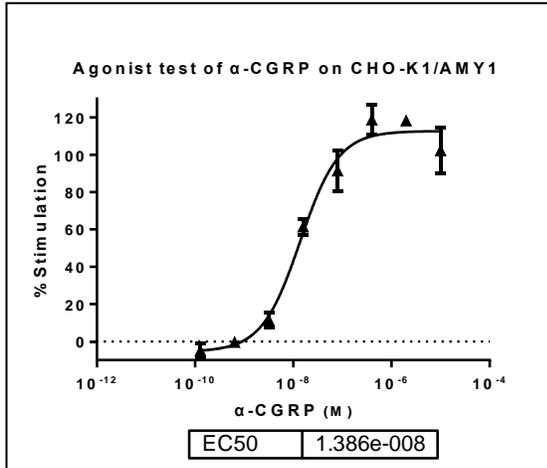


Figure 2. α -CGRP-induced concentration-dependent stimulation of intracellular calcium mobilization in CHOK1/G α 15/AMY1 and CHO-K1/G α 15 cells. The cells were loaded with Calcium-4 prior to stimulation with an AMY1 receptor agonist, α -CGRP. The intracellular calcium change was measured by FLIPR. The stimulation% were plotted against the log of the cumulative doses (5-fold dilution) of α -CGRP (Mean \pm SD, n = 4). The EC50 of α -CGRP on AMY1 expressing in CHO-K1/G α 15 cells was 13.86 nM.

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