

Certificate of Analysis

I. Product Information

Cell line: CHO-K1/Gα15/GIPR

Cat No: M00486

Lot Number: B80011710

Host Cell: CHO-K1

Target gene: GIPR

Quantity: 2 vials of frozen cells

Shipping Conditions: Dry ice

Recommended Storage: Liquid Nitrogen

II. Stable Cell Line Information

Recommended Cell Culture Medium: F12 (Gibco, cat#11765-054), 10% FBS (Gibco, cat#10099-141), and 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% (V/V) DMSO

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

QC: Calcium assay

Mycoplasma 160: Negative

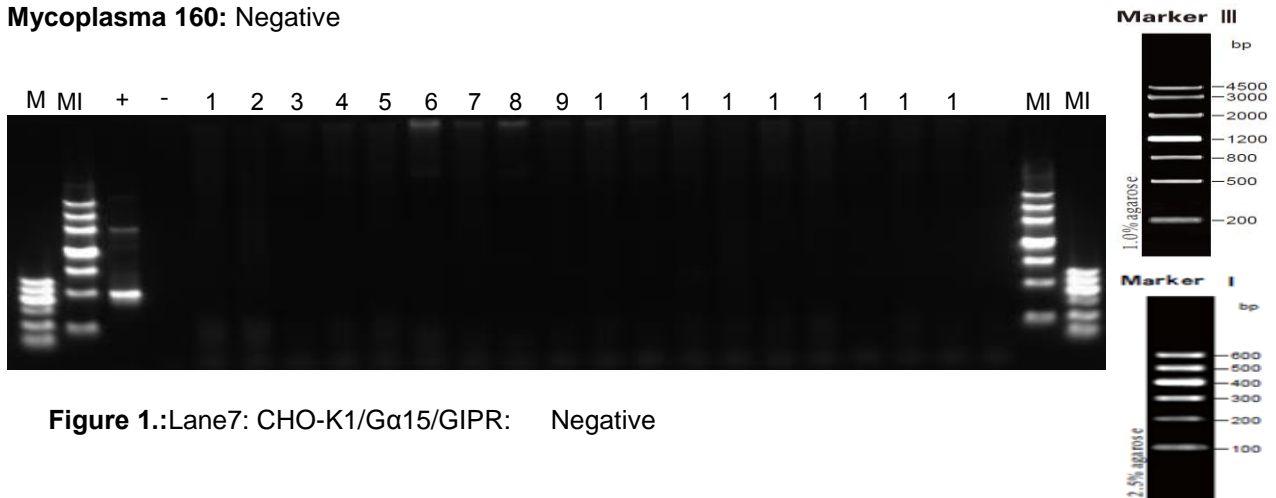


Figure 1.: Lane7: CHO-K1/Gα15/GIPR: Negative

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III. QC Data

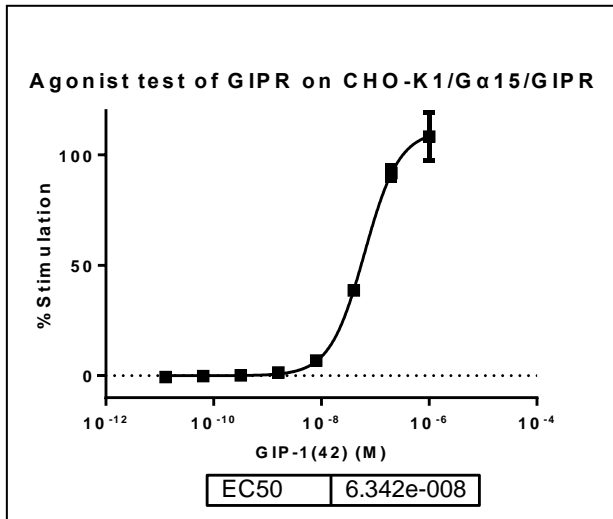


Figure 2: GIP-1(42)-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/Gα15/GIPR cells. The cells were loaded with Calcium-4 prior to stimulation with a GIP receptor agonist, GIP-1(42). The intracellular calcium change was measured by FLIPR. The %stimulation was plotted against the log of the cumulative doses (5-fold dilution) of GIP-1(42) (Mean ± SD, n = 3). The EC50 of GIP-1(42) on GIP co-expressing with Gα15 in CHO-K1 cells was 63.42 nM. The S/B of GIP-1(42) on GIP co-expressing with Gα15 in CHO-K1 cells was 12.

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