

# Certificate of Analysis

## I. Product Information

**Cell line:** CHO-K1/GLP1/Gα15

**Cat No:** M00451

**Lot Number:** D20051610

**Host Cell:** CHO-K1

**Target gene:** GLP1

**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/GLP1/Gα15

**QC: Calcium assay**

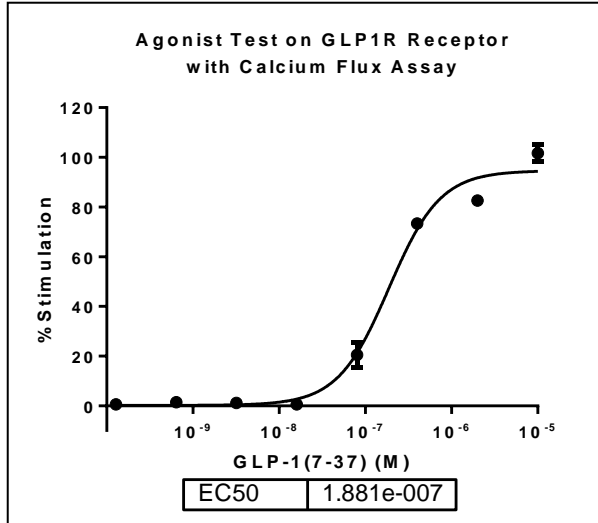
**Mycoplasma 160:** Negative



**Figure 1.** Lane40 CHO-K1/GLP1/Gα15 Negative

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## III. QC Data



**Figure 2.** GLP-1 (7-37)-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/GLP1/Gα15 cells. The cells were loaded with Calcium-4 prior to stimulation with a GLP1 receptor agonist, GLP-1 (7-37). The intracellular calcium change was measured by FLIPR. The %stimulation was plotted against the log of the cumulative doses (5-fold dilution) of GLP-1 (7-37) (Mean ± SD, n = 4). The EC50 of GLP-1 (7-37) on GLP1 co-expressing with Gα15 in CHO-K1 cells was 188.1 nM. The S/B of GLP-1 (7-37) on GLP1 co-expressing with Gα15 in CHO-K1 cells was 20.

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