# Certificate of Analysis

## I. Product Information

**Cell line：** CHO-K1/CASR

**Cat No：** M00434

**Lot Number:** B30011709

**Host Cell:** CHO-K1

**Target gene:** CASR

**Quantity:** 2 vials of frozen cells

**Shipping Conditions:** Dry ice

**Recommended Storage:** Liquid Nitrogen

## II. Stable Cell Line Information

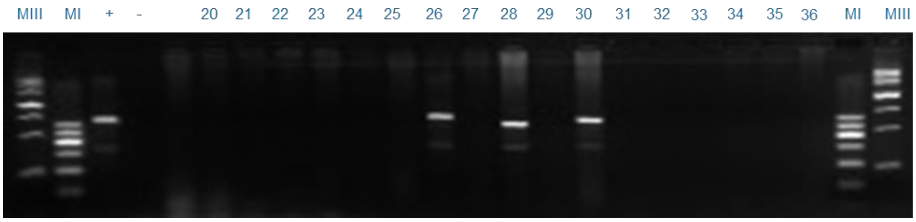
**Recommended Cell Culture Medium:** Ham's F12(Gibco, cat#11765-054, 10% FBS (Gibco, cat#10099-141), 200 μg/ml Zeocin (Gibco, cat#10099-141)

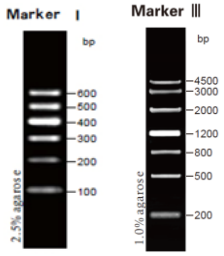
**Freeze Medium:** 45% Culture Medium, 45% FBS, 10% DMSO

**Application:** Functional assay for CHO-K1/CASR

**QC: Calcium assay**

**Mycoplasma 160:** Negative




Lane 34 CHO-K1/CASR

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## III. QC Data

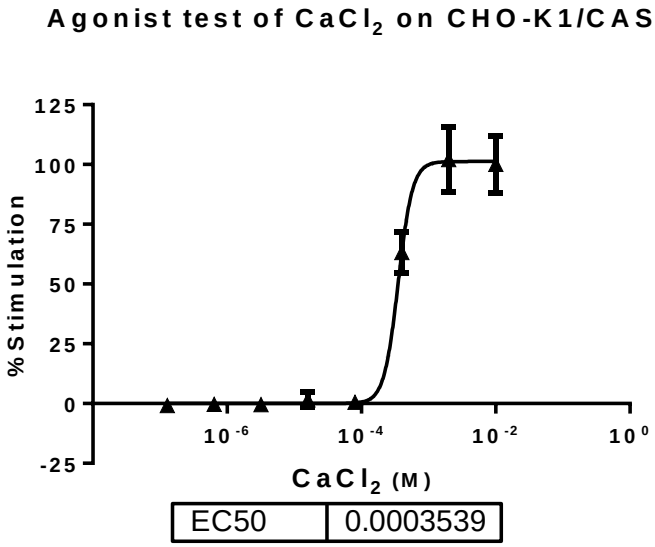


Figure 1. $CaCl_2$-induced concentration-dependent stimulation of intracellular calcium mobilization in CHOK1/CASR and CHO-K1 cells. The cells were loaded with Calcium-4 prior to stimulation with a CASR receptor agonist, $CaCl_2$. The intracellular calcium change was measured by FLIPR. The relative fluorescent units (RFU) were plotted against the log of the cumulative doses (5-fold dilution) of Zeocin (Mean ± SD, n = 4). The EC50 of $CaCl_2$ on CASR in CHO-K1 cells was 0.35 mM. The S/B of $CaCl_2$ on CASR in CHO-K1 cells was 26.

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