

Certificate of Analysis

I. Product Information

Cell line: 293/H1

Cat No: M00131

Lot Number: D2151401

Host Cell: 293

Target gene: H1

Quantity: 2 vials of frozen cells

Shipping Conditions: Dry ice

Recommended Storage: Liquid Nitrogen

II. Stable Cell Line Information

Recommended Cell Culture Medium: DMEM (Gibco, Cat#10566-016, 10% FBS (Gibco, Cat#10099-141), 200 µg/ml Zeocin (Gibco, cat#10099-141)

Freeze Medium: 90% FBS, 10% DMSO

Application: Functional assay for H1, binding assay, FACS, etc.

QC: Calcium assay

Mycoplasma 160 test: Negative

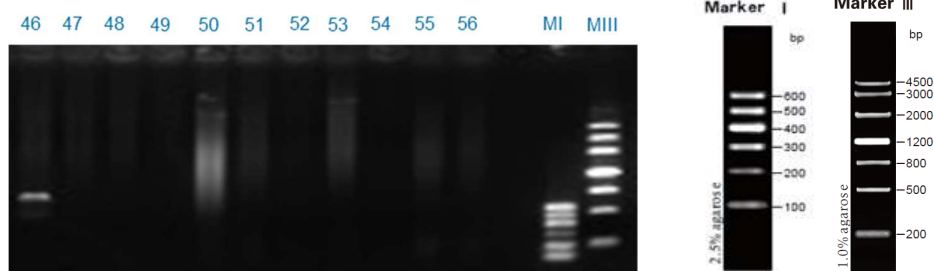


Figure 1. Lane 48 293/H1 (M00131)

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III. QC Data

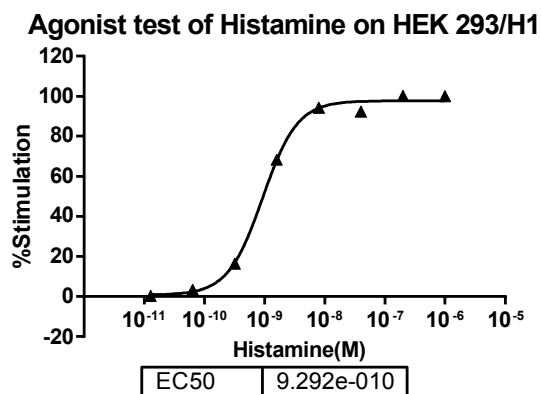


Figure 2. Histamine-induced concentration-dependent stimulation of intracellular calcium mobilization in 293/H1 cells. The cells were loaded with Calcium-4 prior to stimulation with an H1 receptor agonist, Histamine. The intracellular calcium change was measured by FLIPR. The relative fluorescent units (RFU) were plotted against the log of the cumulative doses (5-fold dilution) of Histamine (Mean \pm SD, n = 4). The EC50 of Histamine on H1 in 293 cells was 0.92 nM. The S/B of Histamine on H1 in 293 cells was 18.9.

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