

# MULTISCREEN<sup>TM</sup> STABLE CELL LINE HUMAN RECOMBINANT GPR142 RECEPTOR

## **PRODUCT INFORMATION**

Catalog Number: C1286

Lot Number: C1286-012913

Quantity: 1 vial (2 x 10<sup>6</sup>) frozen cells

Freeze Medium: Sigma Freezing Medium (C-6164)

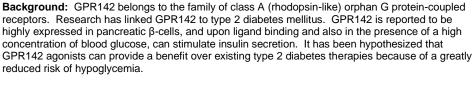
Host cell: HEK293T

Transfection: Expression vector containing full-length human GPR142 cDNA (GenBank Accession Number NM\_181790.1) with FLAG tag sequence at N-terminus

Recommended Storage: Liquid nitrogen upon receiving

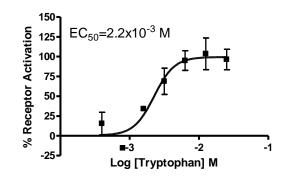
**Propagation Medium:** DMEM, 10% FBS, 1 μg/mL puromycin

Stability: In progress

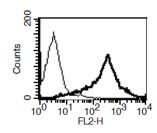


Application: Functional assays

Figure 1







**Figure 1.** Dose response of intracellular IP1 accumulation upon treatment with ligand, measured with IP-one Tb kit. **Figure 2.** Receptor expression on cell surface measured by flow cytometry (FACS) using an anti-FLAG antibody. Thin line: parental cells; thick line: receptor-expressing cells.

#### References:

Fredriksson R et al. (2003). "Seven evolutionarily conserved human rhodopsin G protein coupled receptors lacking close relatives". *FEBS Lett* 554(3):381-8.

Lizarzaburu M et al. (2012). "Discovery and optimization of a novel series of GPR142 agonists for the treatment of type 2 diabetes mellitus". *Bioorganic & Medicinal Chemistry Letters* 

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## Data sheet