MULTISCREEN™ STABLE CELL LINE
HUMAN RECOMBINANT 5-HT1B RECEPTOR

PRODUCT INFORMATION

Catalog Number: CG1320
Lot Number: CG1320-102615
Quantity: 1 vial (2 x 10^6) frozen cells
Freeze Medium: Sigma Freezing Medium (C-6164)
Host cell: HEK293T Goqi5
Transfection: Expression vector containing full-length human HTR1B cDNA (GenBank accession number NM_000863.1) with FLAG tag sequence at N-terminus
Recommended Storage: Liquid nitrogen upon receiving
Propagation Medium: DMEM, 10% FBS, 1 μg/mL puromycin, 250 μg/mL hygromycin
Stability: In progress

Data sheet

Background: The human serotonin receptor 5-HT1B is a G protein-coupled receptor. 5-HT1B receptors are present in many parts of the central nervous system, but most notably, can be found in the basal ganglia, striatum, and frontal cortex. 5-HT1B receptors inhibit the release of many neurotransmitters, such as serotonin, GABA, acetylcholine, and glutamate. 5-HT1B ligands may prove to be therapeutic in the treatment of various disorders such as depression, anxiety, and aggression.

Application: Functional assays

Figure 1

Figure 1. Dose-dependent stimulation of calcium flux upon treatment with ligand, monitored with FLIPR.

References:

