MULTISCREEN™ DIVISION ARRESTED CELL LINE
HUMAN RECOMBINANT 5-HT1A RECEPTOR

PRODUCT INFORMATION

Catalog Number: DC1319a
Lot Number: DC1319a-111014
Quantity: 1 vial (4 x 10^6) frozen cells
Freeze Medium: Sigma Freezing Medium (C-6164)
Host cell: HEK293T
Transfection: Expression vector containing full-length human HTR1A cDNA (GenBank accession number NM_000524.2) with FLAG tag sequence at N-terminus
Recommended Storage: Liquid nitrogen upon receiving
Propagation Medium: DMEM, 10% FBS
Stability: Stable for 1-2 days after thawing

Data sheet

Background: The human serotonin receptor 5-HT1A is a G protein-coupled receptor. 5-HT1A receptors can be found mainly in the cerebral cortex, hippocampus, septum, amygdala, and raphe nucleus, with lesser amounts in the basal ganglia and thalamus. 5-HT1A ligands may prove to be therapeutic in the treatment of various disorders such as depression, anxiety, and schizophrenia.

Application: Functional assays

Dose-dependent stimulation of pERK level upon treatment with ligand, monitored with FlexStation (Cisbio 64AERPEG).

References:

