MULTISCREEN™ DIVISON ARRESTED CELL LINE
HUMAN RECOMBINANT NTS2 RECEPTOR

PRODUCT INFORMATION
Catalog Number: DC1277
Lot Number: DC1277-060315
Quantity: 1 vial (4 x 10⁶) frozen cells
Freeze Medium: Sigma Freezing Medium (C-6164)
Host Cell: HEK293T
Transfection: Expression vector containing full-length human NTSR2 cDNA (GenBank Accession Number NM_012344.3) with FLAG tag sequence at N-terminus
Recommended Storage: Liquid nitrogen upon receiving
Thawing Medium: DMEM, 10% FBS
No Cell Culture Required

Data sheet

Background: Neurotensin is a tridecapeptide that has been shown to act as a neurotransmitter/neuromodulator in the central nervous system and as a local hormone in the periphery. Human NTS2 is a 410 amino acid transmembrane protein in the neurotensin receptor family. It is primarily expressed in the central nervous system and in peripheral tissues. The neurotensin family plays an important role in a wide range of biological activities, such as hypotension, hyperglycemia, and regulation of vascular permeability. NTS2 has a low affinity for neurotensin, but SR 48692 has been proven to be a strong agonist in many recent studies. NTS2 may be an important target in the treatment of pain and stress-related disorders.

Application: Functional assays

Figure 1

![Graph](image)

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

References: