

Recombinant Human HTR1B 293 Cell Lysate

Cat. No. HTR1B-5337HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for 5-hydroxytryptamine (serotonin) receptor 1B (HTR1B) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

HTR1B 5-hydroxytryptamine (serotonin) receptor 1B, G protein-coupled [Homo sapiens]

Official Symbol

HTR1B

Synonyms

HTR1B; 5-hydroxytryptamine (serotonin) receptor 1B, G protein-coupled; 5 hydroxytryptamine (serotonin) receptor 1B; 5-hydroxytryptamine receptor 1B; 5 HT1B; 5 HT1DB; HTR1D2; S12; 5-HT-1B; 5-HT-1D-beta; serotonin receptor 1B; serotonin 1D beta receptor; 5-HT1B; HTR1DB; 5-HT1DB;

Gene ID

3351

mRNA Refseq

NM_000863

Protein Refseq

NP_000854

MIM

182131

UniProt ID

P28222

Chromosome Location

6q13

Pathway

Amine ligand-binding receptors, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-

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specific biosystem; GPCR downstream signaling, organism-specific biosystem;
GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like,
organism-specific biosystem; Monoamine GPCRs, organism-specific biosystem;

Function

G-protein coupled receptor activity; drug binding; receptor activity; serotonin binding;
serotonin receptor activity; signal transducer activity;

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