

Recombinant Human HTR2B 293 Cell Lysate

Cat. No. HTR2B-5335HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for 5-hydroxytryptamine (serotonin) receptor 2B (HTR2B) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

HTR2B 5-hydroxytryptamine (serotonin) receptor 2B, G protein-coupled [Homo sapiens]

Official Symbol

HTR2B

Synonyms

HTR2B; 5-hydroxytryptamine (serotonin) receptor 2B, G protein-coupled; 5 hydroxytryptamine (serotonin) receptor 2B; 5-hydroxytryptamine receptor 2B; 5 HT(2B); 5 HT2B; 5-HT-2B; 5-HT 2B receptor; serotonin receptor 2B; 5-hydroxytryptamine 2B receptor; 5-hydroxytryptamine receptor 2B variant b; 5-HT2B; 5-HT(2B);

Gene ID

3357

mRNA Refseq

NM_000867

Protein Refseq

NP_000858

MIM

601122

UniProt ID

P41595

Chromosome Location

2q36.3-q37.1

Pathway

Amine ligand-binding receptors, organism-specific biosystem; Calcium signaling

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;

Function

G-protein alpha-subunit binding; G-protein coupled receptor activity; Ras GTPase activator activity; calcium channel activity; drug binding; phosphatidylinositol phospholipase C activity; phosphatidylinositol phospholipase C activity; receptor activity; serotonin binding; serotonin receptor activity; signal transducer activity;