

Recombinant Human HTR3A 293 Cell Lysate

Cat. No. HTR3A-5334HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for 5-hydroxytryptamine (serotonin) receptor 3A (HTR3A), transcript variant 1 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

HTR3A 5-hydroxytryptamine (serotonin) receptor 3A, ionotropic [Homo sapiens]

Official Symbol

HTR3A

Synonyms

HTR3A; 5-hydroxytryptamine (serotonin) receptor 3A, ionotropic; 5 hydroxytryptamine (serotonin) receptor 3A , HTR3; 5-hydroxytryptamine receptor 3A; 5 HT3A; 5 HT3R; 5-HT3-A; serotonin receptor 3A; 5HT3 serotonin receptor; 5-hydroxytryptamine receptor 3; serotonin-gated ion channel receptor; HTR3; 5HT3R; 5-HT-3; 5-HT3A; 5-HT3R;

Gene ID

3359

mRNA Refseq

NM_000869

Protein Refseq

NP_000860

MIM

182139

UniProt ID

P46098

Chromosome Location

11q23.1-q23.2

Pathway

Ion channel transport, organism-specific biosystem; Ligand-gated ion channel transport, organism-specific biosystem; Serotonergic synapse, organism-specific

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biosystem; Transmembrane transport of small molecules, organism-specific biosystem;

Function

extracellular ligand-gated ion channel activity; extracellular ligand-gated ion channel activity; ion channel activity; receptor activity; serotonin binding; serotonin receptor activity; serotonin receptor activity; serotonin-activated cation-selective channel activity;

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