

Recombinant Human HTR3B cell lysate

Cat. No. HTR3B-828HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit B of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It appears that the heteromeric combination of A and B subunits is necessary to provide the full functional features of this receptor, since either subunit alone results in receptors with very low conductance and response amplitude.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	HTR3B 5-hydroxytryptamine (serotonin) receptor 3B, ionotropic [Homo sapiens]
Official Symbol	HTR3B
Synonyms	HTR3B; 5-hydroxytryptamine (serotonin) receptor 3B, ionotropic; 5 hydroxytryptamine

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(serotonin) receptor 3B; 5-hydroxytryptamine receptor 3B; 5-HT3B; 5-HT3-B; serotonin-gated ion channel subunit; 5-hydroxytryptamine 3 receptor B subunit; 5-HT3B;

Gene ID

9177

mRNA Refseq

NM_006028

Protein Refseq

NP_006019

MIM

604654

UniProt ID

O95264

**Chromosome
Location**

11q23.1

Pathway

Ion channel transport, organism-specific biosystem; Ligand-gated ion channel transport, organism-specific biosystem; Serotonergic synapse, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem;

Function

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

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