

Recombinant Human HTR1B, His-tagged

Cat. No. HTR1B-14002H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HTR1B protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	228-315a.a.
Description	The neurotransmitter serotonin (5-hydroxytryptamine; 5-HT) exerts a wide variety of physiologic functions through a multiplicity of receptors and may be involved in human neuropsychiatric disorders such as anxiety, depression, or migraine. These receptors consist of several main groups subdivided into several distinct subtypes on the basis of their pharmacologic characteristics, coupling to intracellular second messengers, and distribution within the nervous system (Zifa and Fillion, 1992 [PubMed 1359584]). The serotonergic receptors belong to the multigene family of receptors coupled to guanine nucleotide-binding proteins.[supplied by OMIM, Oct 2009]
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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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-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;

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Function

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

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