

Recombinant Human HTR5A

Cat. No. HTR5A-26029TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human 5HT5A receptor (aa 1-357) with N terminal proprietary tag, 65.34 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	357 amino acids
Description	The neurotransmitter serotonin (5-hydroxytryptamine, 5-HT) has been implicated in a wide range of psychiatric conditions and also has vasoconstrictive and vasodilatory effects. The gene described in this record is a member of 5-hydroxytryptamine (serotonin) receptor family and encodes a multi-pass membrane protein that functions as a receptor for 5-hydroxytryptamine and couples to G-proteins. This protein has been shown to function in part through the regulation of intracellular Ca ²⁺ mobilization.
Molecular Weight	65.340kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MDLPVNLTSLSTPSPLETNHSLGKDDLRPSSPLLSVFG VLILTLLGFLVAATFAWN LLVLATILRVRTFHRVPHNLVA SMAVSDVLVAALVMPLSLVHELSGRRWQLGRRRLC QLWIAC DVLCTASIWNVTAIALDRYWSITRHMEYTLRTRKCVSNV MIALTWALSAV ISLAPLLFGWGETYSEGSEECQVSREPSY AVFSTVGAFYPLCVVLFVYWKIYKAAK FRVGSRKTNVS PISEAVEVKDSAKQPQMVFTRHATVTFQPEGDTWREQKE QR AALMVGILIGVFLCWIPFFLTELISPLCSCDIPAIWK SIFLWLGYSNSFFNPLIYTAFN KNYNsafknffsrqh
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family.
GENE INFORMATION	
Gene Name	HTR5A 5-hydroxytryptamine (serotonin) receptor 5A [Homo sapiens]
Official Symbol	HTR5A
Synonyms	HTR5A; 5-hydroxytryptamine (serotonin) receptor 5A; 5-hydroxytryptamine receptor 5A; 5 HT5A;
Gene ID	3361
mRNA Refseq	NM_024012
Protein Refseq	NP_076917
MIM	601305

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Uniprot ID	P47898
Chromosome Location	7q36.1
Pathway	Amine ligand-binding receptors, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem;
Function	G-protein coupled receptor activity; receptor activity; serotonin receptor activity; signal transducer activity;

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