

## Recombinant Human HTR3B Protein

Cat. No. HTR3B-5239H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human HTR3B full-length ORF (NP_006019.1) recombinant protein without tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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. [provided by RefSeq]
<b>Form</b>	Liquid
<b>Molecular Mass</b>	50.3 kDa
<b>AA Sequence</b>	MLSSVMAPLWACILVAAGILATDTHHPQDSALYHLSKQLLQKYHKEVRPVYNWTKAT TVYLDLDFVHAILDVDAENQILKTSVWYQEVWNDEFLLSWNSSMFDEIREISLPLSAIWA PDIINEFVDIERYPDLPYVYVNSSGTIENYKPIQVVSACSLETYAFPFQVQNCSTFKS ILHTVEDVDLAFRLSPEDIQHDKKAFLNDSEWELLSVSSTYSILQSSAGGFAQIQFNV VMRRHPLVYVVSLLIPSIFLMLVDLGSFYLPNCRARIVFKTSVLVGYTVFRVNMSNQ VPRSVGSTPLIGHFFTICMAFLVLSLAKSIVLVKFLHDEQRGGQEQPFLCLRGDTDAD

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RPRVEPRAQRAVVTESSLYGEHLAQPGLKEVWSQLQSI SNYLQTQDQTDQQEAE  
WLVLLSRFDRLLFQSYLFMLGIYTITLCSLWALWGGV

<b>Applications</b>	Antibody Production Functional Study Compound Screening
<b>Usage</b>	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	HTR3B 5-hydroxytryptamine (serotonin) receptor 3B, ionotropic [ Homo sapiens ]
<b>Official Symbol</b>	HTR3B
<b>Synonyms</b>	HTR3B; 5-hydroxytryptamine (serotonin) receptor 3B, ionotropic; 5 hydroxytryptamine (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;
<b>Gene ID</b>	9177
<b>mRNA Refseq</b>	NM_006028

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**Protein Refseq** NP\_006019

**MIM** 604654

**UniProt ID** O95264

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