

Recombinant Human HTR3B Protein

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

SPECIFICATION

Product Overview	Human HTR3B full-length ORF (NP_006019.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Form	Liquid
Molecular Mass	50.3 kDa
AA Sequence	MLSSVMAPLWACILVAAGILATDTHHPQDSALYHLSKQLLQKYHKEVRPVYNWTKAT TVYLDLDFVHAILDVAENQILKTSVWYQEVWNDEFLSWNSSMFDEIREISLPLSAIWA PDIINEFVDIERYPDLPYVYVNSSGTIENYKPIQVVSACSLETYAFPFDVQNCSLTFKS ILHTVEDVDLAFLRSPEDIQHDKKAFLNDSEWELLSVSSTYSILQSSAGGFAQIQFNV VMRRHPLVYVVSLLIPSIFLMLVDLGSFYLPNCRARIVFKTSVLVG YTVFRVNMSNQ VPRSVGSTPLIGHFFTICMAFLVLSLAKSIVLVKFLHDEQRRGGQEPPFLCLRGDTDAD

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

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 (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

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Protein Refseq	NP_006019
MIM	604654
UniProt ID	O95264

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