

Recombinant Full Length Human HTR3B Protein

Cat. No. HTR3B-5693HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HTR3B full-length ORF (NP_006019.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	172 amino acids
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 TVYLDLDFVHAILDVDAENQILKTSVWYQEVWNDEFLSWNSSMFDEIREISLPLSAIWA PDIINEFVDIERYPDLPPYVYNSSGTIENYKPIQVVSACSLETYAFPFDVQNCSTFKS ILHTVEDVDLAFLRSPEDIQHDKKAFLNDSEWELLSVSSTYSILQSSAGGFAQIQFNV

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VMRRHPLVYVVSLIPISIFLMLVDLGSFYLPNCRARIVFKTSVLVGYYTVFRVNMSNQ
VPRSVGSTPLIGHFFTICMAFLVLSLAKSIVLVKFLHDEQRGGQEQPFLCLRGDTDAD
RPRVEPRAQRAVVTESSLYGEHLAQPGTLKEVWSQLQSI SNYLQTQDQTDQQEAE
WLVLLSRFDRLLFQSYLFMLGIYTITLCSLWALWGGV

Applications

Antibody Production
Functional Study
Compound Screening

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](#)

Protein Refseq [NP_006019](#)

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MIM	604654
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UniProt ID	O95264
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