

Recombinant Human HTR3A Protein

Cat. No. HTR3A-5240H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HTR3A full-length ORF (AAH02354.1) 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 A 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. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]
Form	Liquid
Molecular Mass	55.3 kDa
AA Sequence	MLLVVQQALLALLPTLLAQGEARRSRNTTRPALLRLSDYLLTNYRKGVRPVRDWR KPTTVSIDVIVYAILNVDEKNQVLTTYIWYRQYWTDEFLQWNPEDFDNITKLSIPTDSI WVPDILINEFVDVGKSPNIPYVYIRHQGEVQNYKPLQVVTACSLDIYNFPFDVQNCSL TFTSWLHTIQDINISLWRLPEKVKSDRSVFMNQGEWELLGVLPHYFREFSMESSNYYA EMKFYVVIRRRPLFYVVSLLLPSIFLMVMDIVGFYLPNPSGERVSFKITLLLGYSVFLIIV

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SDTLPATAIGTPLIGVYFVVCMA LLVISLAETIFIVRLVHKQDLQQPVPAWLRHLVLERI
 AWLLCLREQSTSQRPPATSQATKTDDCSAMGNHCSHMGGPQDFEKS PRDRCSPP
 PPPREASLAVCGLLQELSSIRQFLEKRDEIREVARDWLRVGSVLDKLLFHIYLLAVLA
 YSITLVMLWSIWQYA

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	HTR3A 5-hydroxytryptamine (serotonin) receptor 3A, ionotropic [Homo sapiens]
Official Symbol	HTR3A
Synonyms	HTR3A; 5-hydroxytryptamine (serotonin) receptor 3A, ionotropic; 5 hydroxytryptamine (serotonin) receptor 3A , HTR3; 5-hydroxytryptamine receptor 3A; 5 HT3A; 5 HT3R; 5-HT3-A; serotonin receptor 3A; 5HT3 serotonin receptor; 5-hydroxytryptamine receptor 3; serotonin-gated ion channel receptor; HTR3; 5HT3R; 5-HT-3; 5-HT3A; 5-HT3R;
Gene ID	3359

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mRNA Refseq	NM_000869
Protein Refseq	NP_000860
MIM	182139
UniProt ID	P46098

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