

Recombinant Full Length Human HTR3A Protein

Cat. No. HTR3A-5690HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HTR3A full-length ORF (AAH02354.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	573 amino acids
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	MLLWVQQALLALLPTLLAQGEARRSRNTTRPALLRLSDYLLTNYRKGVRPVRDWR KPTTVSIDVIVYAILNVDEKNQVLTTYIWYRQYWTDEFLQWNPEDFDNITKLSIPTDSI WVPDILINEFVDVGKSPNIPYVYIRHQGEVQNYKPLQVVTACSLDIYNFPFDVQNCSL

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TFTSWLHTIQDINISLWRLPEKVKSDRSVFMNQGEWELLGVLPYFREFSMESSNYIA
EMKFYVVIRRRPLFYVVSLLLPSIFLMVMDIVGFYLPNNGSERVSFKITLLLGYSVFLIIV
SDTLPATAIGTPLIGVYFVVCMAALLVISLAETIFIVRLVHKQDLQQPVPAPWLRHLVLERI
AWLLCLREQSTSQRPPATSQATKTDDCSAMGNHCSHMGGPQDFEKSPPDRCSPP
PPPREASLAVCGLLQELSSIRQFLEKRDEIREVARDWLRVGSVLDKLLFHIYLLAVLA
YSITLVMLWSIWQYA

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

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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