

# Recombinant Full Length Human HTR3A Protein

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

## SPECIFICATION

<b>Product Overview</b>	Human HTR3A full-length ORF (AAH02354.1) recombinant protein without tag.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	573 amino acids
<b>Description</b>	<p>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]</p>
<b>Form</b>	Liquid
<b>Molecular Mass</b>	55.3 kDa
<b>AA Sequence</b>	<p>MLLWVQQALLALLLPTLLAQGEARRSRNTTRPALLRLSDYLLTNYRKGVRPVRDWR  KPTTVSIDVIVYAILNVDEKNQVLTTYIWYRQYWTDEFLLQWNPEDFDNITKLSIPTDSI  WVPDILINEFVDVGKSPNIPYVYIRHQGEVQNYKPLQVVTACSLDIYNFPFDVQNCSL</p>

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 45-1 Ramsey Road, Shirley, NY 11967, USA

TFTSWLHTIQDINISLWRLPEKVKSDRSVFMNQGEWELLGVLPHYFREFSMESSNYA  
 EMKFYVVIRRRPLFYVVSLLLPSIFLMVMDIVGFYLPNSGERVVSFKITLLLGYSVFLIIV  
 SDTLPATAIGTPLIGVYFVVCMA LLVISLAETIFIVRLVHKQDLQQPVPAWLRHLVLERI  
 AWLLCLREQSTSQRPPATSQATKTDDCSAMGNHCSHMGGPQDFEKSPRDRCSP  
 PPPREASLAVCGLLQELSSIRQFLEKRDEIREVARDWLRVGSVLDKLLFHIYLLAVLA  
 YSITLVMLWSIWQYA

<b>Applications</b>	Antibody Production Functional Study Compound Screening
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<b>Notes</b>	Best use within three months from the date of receipt of this protein.
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<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
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<b>Storage Buffer</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
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## GENE INFORMATION

<b>Gene Name</b>	HTR3A 5-hydroxytryptamine (serotonin) receptor 3A, ionotropic [ Homo sapiens ]
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<b>Official Symbol</b>	HTR3A
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<b>Synonyms</b>	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;
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<b>Gene ID</b>	3359
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mRNA Refseq	NM_000869
Protein Refseq	NP_000860
MIM	182139
UniProt ID	P46098

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