

Recombinant Full Length Human HTR7 Protein, GST-tagged

Cat. No. HTR7-5706HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human HTR7 full-length ORF (NP_062874.1, 1 a.a. - 432 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	432 amino acids
Description	The neurotransmitter, serotonin, is thought to play a role in various cognitive and behavioral functions. The serotonin receptor encoded by this gene belongs to the superfamily of G protein-coupled receptors and the gene is a candidate locus for involvement in autistic disorder and other neuropsychiatric disorders. Three splice variants have been identified which encode proteins that differ in the length of their carboxy terminal ends. [provided by RefSeq]
Molecular Mass	74.4 kDa
AA Sequence	MMDVNSSGRPDLYGHLRSFLLPEVGRGLPDLSPDGGADPVAGSWAPHLLSEVTAS PAPTWDAPPDNASGCGEQINYGRVEKVVIGSILTLITLLTIAGNCLVVISVCFVKKLRQ PSNYLIVSLALADLSVAVAVMPFVSVTDLIGGKWIFGHFFCNVFIAMDVMCCTASIMT LCVISIDRYLGITRPLTYPVRQNGKCMAMILSVWLLSASITLPPFLFGWAQNVNDDKV CLISQDFGYTIYSTAVAFYIPMSVMLFMYQIYKAARKSAAKHKFPGFPRVEPDSVIAL NGIVKLQKEVEECANLSRLLKHERKNISIFKREQKAATTLGIIVGAFTVCWLPFFLLST ARPFICGTSCSCIPLWVERTFLWLGYANSLINPFYAFFNRDLRTTYRSLQCQYRNIN

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RKLSAAGMHEALKLAERPERPEFVL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

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

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[HTR7 5-hydroxytryptamine \(serotonin\) receptor 7, adenylate cyclase-coupled \[Homo sapiens \]](#)

Official Symbol

[HTR7](#)

Synonyms

HTR7; 5-hydroxytryptamine (serotonin) receptor 7, adenylate cyclase-coupled; 5-hydroxytryptamine (serotonin) receptor 7 (adenylate cyclase coupled); 5-hydroxytryptamine receptor 7; 5 HT7; 5-HT-7; 5-HT-X; 5-hydroxytryptamine (serotonin) receptor 7 (adenylate cyclase-coupled); 5-HT7;

Gene ID

[3363](#)

mRNA Refseq

[NM_000872](#)

Protein Refseq

[NP_000863](#)

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MIM	182137
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UniProt ID	P34969
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