

Recombinant Human HTR1A protein, GST-tagged

Cat. No. HTR1A-26H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HTR1A(1 a.a. - 422 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-422 a.a.
Description	This gene encodes a G protein-coupled receptor for 5-hydroxytryptamine (serotonin), and belongs to the 5-hydroxytryptamine receptor subfamily. Serotonin has been implicated in a number of physiologic processes and pathologic conditions. Inactivation of this gene in mice results in behavior consistent with an increased anxiety and stress response. Mutation in the promoter of this gene has been associated with menstrual cycle-dependent periodic fevers.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	72.5 kDa
AA Sequence	MDVLSPGQGNNNTTSPAPFETGGNTTGISDVTVSYQVITSLLLGTLIFCAVLGNACVV AAIALERSLQNVANYLI GSLAVTDLMVSVLVLPMALYQVLNKWTLGQVTCDLFIALD VLCCTSSILHLCAIALDRYWAITDPIDYVNRTP RRAAALISLTWLIGFLISIPMLGWR TPEDRSDPDACTISKDHGYTIYSTFGAFYIPLLLMLVLYGRIFRAARFR IRKTVKKVEK TGADTRHGASPAPQPKKSVNGESGSRNWRLGVESKAGGALCANGAVRQGGDDGAA

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LEVIEVHRVGN SKEHLPLPSEAGPTPCAPASFERKNERNAEAKRKMALARERKTVK
 TLGIIMGTFILCWLPFFIVALVLPFCESSC HMPTLLGAIINWLGYSNSLLNPVIYAYFNK
 DFQNAFKKIIKCKFCRQ

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.

GENE INFORMATION

Gene Name

HTR1A 5-hydroxytryptamine (serotonin) receptor 1A, G protein-coupled [Homo sapiens]

Official Symbol

HTR1A

Synonyms

HTR1A; 5-hydroxytryptamine (serotonin) receptor 1A, G protein-coupled; 5 hydroxytryptamine (serotonin) receptor 1A , ADRB2RL1, ADRBRL1; 5-hydroxytryptamine receptor 1A; 5 HT1A; 5-HT1a receptor; serotonin receptor 1A; G protein coupled receptor; guanine nucleotide-binding regulatory protein-coupled receptor; G-21; 5HT1a; 5-HT1A; 5-HT-1A; ADRBRL1; ADRB2RL1;

Gene ID

3350

mRNA Refseq

NM_000524

Protein Refseq

NP_000515

MIM

109760

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UniProt ID	P08908
Chromosome Location	5q11.2-q13
Pathway	Amine ligand-binding receptors, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Monoamine GPCRs, organism-specific biosystem;
Function	G-protein coupled receptor activity; drug binding; receptor activity; serotonin binding; serotonin receptor activity; signal transducer activity;

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