

# Recombinant Full Length Human HTR1A Protein, GST-tagged

**Cat. No.** HTR1A-659HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full length Human HTR1A(1 a.a. - 422 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 422 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 72.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MDVLSPGQGN NTTSPAPFE TGGNTTGISD VTVSYQVITS LLLGTLIFCA<br>VLGNACVVAA IALERSLQNV ANYLIGSLAV TDLMVSVLVL PMAALYQVLN<br>KWTLGQVTCD LFIALDVLCC TSSILHLCAI ALDRYWAITD PIDYV NK RTP<br>RRAAALISLT WLIGFLISIP PMLGWRTPED RSDPD ACTIS KDHGYTIYST<br>FGAFYIPLLL MLVLYGRIFR AARFRI RKT V KKVEKTGADT RHGAS PAPQP                                                                                                                                                                    |

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KKSVNGESGS RNWRLGVESK AGGALCANGA VRQGDDGAAL EVIEVHRVGN  
SKEHLPLPSE AGPTPCAPAS FERKNERNAE AKRKMALARE RKTVKTLGII  
MGTFILCWLP FFIVALVLPF CESSCHMPTL LGAIINWLGY SNSLLNPVIY  
AYFNKDFQNA FKKIIKCKFC RQ

**Applications**

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

**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

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