

Recombinant Human HTR1A Protein, His-tagged

Cat. No. HTR1A-2261H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HTR1A Protein (Met1-Gln422) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Gln422
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 66.5 kDa Accurate Molecular Mass: 70 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 80%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

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

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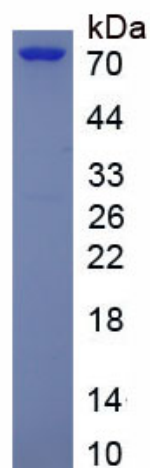
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Protein Refseq NP_000515

MIM 109760

UniProt ID P08908



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