

Recombinant Human HTR2A, GST-tagged

Cat. No. HTR2A-1872H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HTR2A, expressed as gst-tagged fusion protein by E.Coli is purified by GSH-sepharose.
Species	Human
Source	E.coli
Description	This gene encodes one of the receptors for serotonin, a neurotransmitter with many roles. Mutations in this gene are associated with susceptibility to schizophrenia and obsessive-compulsive disorder, and are also associated with response to the antidepressant citalopram in patients with major depressive disorder (MDD). MDD patients who also have a mutation in intron 2 of this gene show a significantly reduced response to citalopram as this antidepressant downregulates expression of this gene. Multiple transcript variants encoding different isoforms have been found for this gene.
Storage buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH 8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	HTR2A 5-hydroxytryptamine(serotonin) receptor 2A, G protein-coupled [Homo sapiens]
Synonyms	5-hydroxytryptamine(serotonin) receptor 2A; G protein-coupled; HTR2; 5-HT _{2A} ; 5-hydroxytryptamine receptor 2A; 5-hydroxytryptamine receptor 2A; 5-HT _{2A} ; 5-HT ₂

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receptor;serotonin5-HT-2A receptor; 5-hydroxytryptamine (serotonin) receptor 2A; 5-HT2A; Serotonin receptor2A; 5-HT-2; 5 HT 2; 5HT 2A; 5 HT2 receptor; 5 HT2A; 5 hydroxytryptamine receptor 2A; 5-HT-2;5-HT-2A; 5-hydroxytryptamine 2A receptor; 5-hydroxytryptamine receptor 2A;5HT2A_HUMAN; HTR 2; HTR2; HTR2A; OTTHUMP00000018378; HTR2;

Gene ID [3356](#)

mRNA Refseq [NM_000621](#)

Protein Refseq NP_000612

MIM [182135](#)

UniProt ID [P28223](#)

Chromosome Location 13q14-q21

Pathway Adherensjunction; Calciumsignaling pathway; Calciumsignaling pathway; Class A/1(Rhodopsin-like receptors); G alpha (q)signalling events; GPCRdownstream signaling, GPCR ligandbinding; GPCRs; GPCRs

Function 1-(4-iodo-2,5-dimethoxyphenyl)propan-2-aminebinding; G-proteincoupled receptor activity; drugbinding;hosphatidylinositolphospholipase C activity;receptoractivity;serotoninbinding;serotoninreceptor activity;signaltransducer activity

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