

Recombinant Human HTR2A, GST-tagged

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

SPECIFICATION

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|-------------------------|---|
| 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

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|------------------|---|
| Gene Name | HTR2A 5-hydroxytryptamine(serotonin) receptor 2A, G protein-coupled [Homo sapiens] |
| Synonyms | 5-hydroxytryptamine(serotonin) receptor 2A; G protein-coupled; HTR2; 5-HT2A; 5-hydroxytryptamine receptor 2A; 5-hydroxytryptamine receptor 2A; 5-HT-2A; 5-HT2 |

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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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