

Recombinant Human HTR2A, His-tagged

Cat. No. HTR2A-1729H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HTR2A produced in E.Coli contains 6*his tag with the plasmid PET28a.
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.
Antigen peptide region	1-151aa
Storage Buffer	1MPBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.
Official Symbol	HTR2A

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; HTR2; 5-HT2A; 5-HT2 receptor; Serotonin receptor 2A; 5-hydroxytryptaminereceptor 2A; 5-HT-2; OTTHUMP00000018378; 5-HT-2A; serotonin 5-HT-2A receptor;HTR2A; G protein-coupled
Gene ID	3356
mRNA Refseq	NM_000621
Protein Refseq	NP_000612
MIM	182135
UniProt ID	P28223
Chromosome Location	13q14-q21
Pathway	GPCR ligand binding; Calcium signaling pathway; Gap junction
Function	drug binding; receptor activity; serotonin binding