

Recombinant Human HTR2A, His-tagged

Cat. No. HTR2A-1561H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HTR2A encoding human 5-hydroxytryptamine receptor 2A (a.a.1–471) was fused a His-tag.
Species	Human
Source	E.coli
Protein Length	1-471 a.a.
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.
Applications	Western Blot; ELISA
Purity	>90%, as determined by SDS-PAGE under reducing conditions
Formulation	Liquid
Storage	Ship at 4°C. Storage at -20°C to -80°C Upon receipt. Avoid repeated freeze-thaw

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GENE INFORMATION

Gene Name	HTR2A 5-hydroxytryptamine(serotonin) receptor 2A, G protein-coupled [Homo sapiens]
Official Symbol	HTR2A
Synonyms	HTR2; 5-HT2A; 5-hydroxytryptaminereceptor 2A; 5-HT-2A; 5-HT2 receptor; serotonin 5-HT-2A receptor
Gene ID	3356
mRNA Refseq	NM_000621
Protein Refseq	NP_000612
MIM	182135
UniProt ID	P78352
Chromosome Location	13q14-q21
Pathway	Amine ligand-binding receptors; Calciumsignaling pathway; GPCR downstream signaling
Function	drug binding; receptoractivity

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