

## Recombinant Human HTR2A, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human HTR2A produced in E.Colicontains 6*his tag withthe plasmid PET28a.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>This gene encodesone of the receptors for serotonin, a neurotransmitterwith many roles.Mutations in this gene are associated with susceptibility toschizophrenia and obsessive-compulsive disorder, and arealso associated with response to the antidepressant citalopram in patientswith major depressive disorder (MDD). MDDpatients who also have a mutation in intron 2 of this gene show asignificantly reduced response to citalopram as this antidepressant downregulatesexpression of this gene. Multiple transcript variants encodingdifferent isoforms have been found for this gene.</p>
<b>Antigenpeptide region</b>	1-151aa
<b>StorageBuffer</b>	1MPBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> ,68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.
<b>OfficialSymbol</b>	HTR2A

### GENE INFORMATION

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<b>Gene Name</b>	HTR2A 5-hydroxytryptamine(serotonin) receptor 2A, G protein-coupled [ Homo sapiens ]
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">3356</a>
<b>mRNA Refseq</b>	<a href="#">NM_000621</a>
<b>Protein Refseq</b>	<a href="#">NP_000612</a>
<b>MIM</b>	<a href="#">182135</a>
<b>UniProt ID</b>	<a href="#">P28223</a>
<b>Chromosome Location</b>	13q14-q21
<b>Pathway</b>	GPCR ligand binding; Calcium signaling pathway; Gap junction
<b>Function</b>	drug binding; receptor activity; serotonin binding

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