

Recombinant Human HTR2C Protein, GST-tagged

Cat. No. HTR2C-5241H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HTR2C partial ORF (NP_000859, 1 a.a. - 52 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Serotonin (5-hydroxytryptamine, 5-HT), a neurotransmitter, elicits a wide array of physiological effects by binding to several receptor subtypes, including the 5-HT ₂ family of seven-transmembrane-spanning, G-protein-coupled receptors, which activate phospholipase C and D signaling pathways. This gene encodes the 2C subtype of serotonin receptor and its mRNA is subject to multiple RNA editing events, where genomically encoded adenosine residues are converted to inosines. RNA editing is predicted to alter amino acids within the second intracellular loop of the 5-HT _{2C} receptor and generate receptor isoforms that differ in their ability to interact with G proteins and the activation of phospholipase C and D signaling cascades, thus modulating serotonergic neurotransmission in the central nervous system. Studies in humans have reported abnormalities in patterns of 5-HT _{2C} editing in depressed suicide victims. [provided by RefSeq]
Molecular Mass	31.46 kDa
AA Sequence	MVNLRNAVHSFLVHLIGLLVWQSDISVSPVAAIVTDIFNTSDGGRFKFPDGV
Applications	Enzyme-linked Immunoabsorbent Assay

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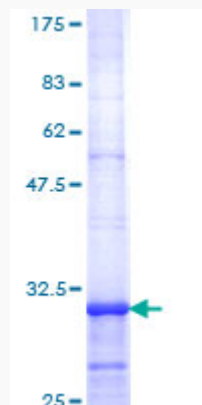
	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HTR2C 5-hydroxytryptamine (serotonin) receptor 2C, G protein-coupled [Homo sapiens]
Official Symbol	HTR2C
Synonyms	HTR2C; 5-hydroxytryptamine (serotonin) receptor 2C, G protein-coupled; 5 hydroxytryptamine (serotonin) receptor 2C , HTR1C; 5-hydroxytryptamine receptor 2C; 5 HT2C; 5-HT1C; 5-HT-1C; 5-HT-2C; serotonin receptor 2C; serotonin 5-HT-2C receptor; 5-hydroxytryptamine receptor 1C; HTR1C; 5-HT2C; 5-HTR2C;
Gene ID	3358
mRNA Refseq	NM_000868
Protein Refseq	NP_000859
MIM	312861
UniProt ID	P28335

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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