

## Product datasheet for TP311300L

### 5HT5A receptor (HTR5A) (NM\_024012) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human 5-hydroxytryptamine (serotonin) receptor 5A (HTR5A), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211300 protein sequence Red=Cloning site Green=Tags(s)
	MDLPVNLTFSLSLSTPSPLETNHS LGKDDL RPSSPLLSVFGVLILLLGFLVAATFAWNLLVLATILRVRT FHRVPHNLVASMVSDVLAALVMPLSLVHELSGRRWQLGRRRCQLWIACDVLCCCTASIWNVTAIALDRY WSITRHM EYTLRTRKCVSNVMIALTWALS AVISLAPLLFGWGETYSEGSEECQVSREPSYAVFSTVGAFY LPLCVLFFVYWKIYKAAKFRVGSRKTNVSPISEAVEVKDSAKQPQMVFTVRHATVTFQPEGDTWREQKE QRAALMVGILIGVFVLCWIPFFLTELISPLCSCDIPAIWKSIFLWLGYSNSFFNPLIYTA FNKNYNSAFK NFFSRQH
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	40.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_076917</a>
Locus ID:	3361



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UniProt ID: [P47898](#), [A4D2N2](#)

RefSeq Size: 4572

Cytogenetics: 7q36.2

RefSeq ORF: 1071

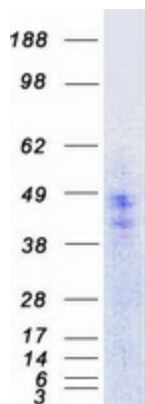
Synonyms: 5-HT5A

**Summary:** The neurotransmitter serotonin (5-hydroxytryptamine, 5-HT) has been implicated in a wide range of psychiatric conditions and also has vasoconstrictive and vasodilatory effects. The gene described in this record is a member of 5-hydroxytryptamine (serotonin) receptor family and encodes a multi-pass membrane protein that functions as a receptor for 5-hydroxytryptamine and couples to G-proteins. This protein has been shown to function in part through the regulation of intracellular Ca<sup>2+</sup> mobilization. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Calcium signaling pathway, Neuroactive ligand-receptor interaction

### Product images:



Coomassie blue staining of purified HTR5A protein (Cat# [TP311300]). The protein was produced from HEK293T cells transfected with HTR5A cDNA clone (Cat# [RC211300]) using MegaTran 2.0 (Cat# [TT210002]).