

## Product datasheet for PH311300

### 5HT5A receptor (HTR5A) (NM\_024012) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HTR5A MS Standard C13 and N15-labeled recombinant protein (NP_076917)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211300
Predicted MW:	40.3 kDa
Protein Sequence:	>RC211300 protein sequence Red=Cloning site Green=Tags(s)
	MDLPVNLTSLSTPSPLETNHSLGKDDLRPSSPLL SVFGVLI L TLLGFLVAATFAWNLLVLATILRVRT FHRVPHNLVASMAVSDVLAALVMPLSLVHELSGRRWQLGRRLCQLWIACDVLCCASIWNVTAIALDRY WSITRHMEYTLRTRKCVSNMIALTWALSAVISLAPLLFGWGETYSEGSEECQVSREPSYAVFSTVGAFY LPLCVVLFVYWKIYKAAKFRVGSRKTNVSPISEAVEVKDSAKQPQMVFTVRHATVTFQPEGDTWREQKE QRAALMVGILIGVFVLCWIPFFLTELISPLCSCDIPAIWKSIFLWLGYSNSFFNPLIYTA FNKNYNSAFK NFFSRQH
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_076917</a></u>
RefSeq Size:	4572
RefSeq ORF:	1071
Synonyms:	5-HT5A
Locus ID:	3361



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

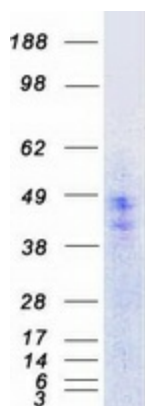
Cytogenetics: 7q36.2

**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]).