

Recombinant Human HTR5A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HTR5A-2295H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HTR5A MS Standard C13 and N15-labeled recombinant protein (NP_076917) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 ²⁺ mobilization.
Molecular Mass	40.3 kDa
AA Sequence	MDLPVNLTFSLSLSTPSPLETNHSLGKDDL RPSSPLLSVFGVLILTLLGFLVAATFAWN LLVLATILRVRTFHRVPHNLVASMVSDVLVAALVMPLSLVHELSGRRWQLGRRLCQ LWIACDVLCTASIWNVTALDRYWSITRHMEYTLRTRKCVSNVMIALTWALSAVIS LAPLLFGWGETYSEGSEECQVSREPSYAVFSTVGAFYLPLCVVLFVYWKIYKAAKFR VGSRKTNVSPISEAVEVKDSAKQPQMVFTVRHATVTFQPEGDTWREQKEQRAAL MVGILIGVFVLCWIPFFLTTELISPLCSDIPAIWKSIFLWLGYSNSFFNPLIYTAFNKNYN

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SAFKNFFSRQHTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	HTR5A 5-hydroxytryptamine receptor 5A [Homo sapiens (human)]
Official Symbol	HTR5A
Synonyms	HTR5A; 5-hydroxytryptamine (serotonin) receptor 5A, G protein-coupled; 5 hydroxytryptamine (serotonin) receptor 5A; 5-hydroxytryptamine receptor 5A; 5 HT5A; 5-HT-5; 5-HT-5A; serotonin receptor 5A; 5-HT5A; MGC138226;
Gene ID	3361
mRNA Refseq	NM_024012
Protein Refseq	NP_076917
MIM	601305

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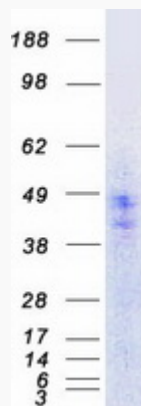
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UniProt ID

P47898

SDS-PAGE

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