

Recombinant Human PRMT5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRMT5-4447H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRMT5 MS Standard C13 and N15-labeled recombinant protein (NP_006100) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an enzyme that belongs to the methyltransferase family. The encoded protein catalyzes the transfer of methyl groups to the amino acid arginine, in target proteins that include histones, transcriptional elongation factors and the tumor suppressor p53. This gene plays a role in several cellular processes, including transcriptional regulation, and the assembly of small nuclear ribonucleoproteins. A pseudogene of this gene has been defined on chromosome 4. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	72.7 kDa
AA Sequence	MAAMAVGGAGGSRVSSGRDLNCVPEIADTLGAVAKQGDFLCMPVFHPRFKREFIQ EPAKNRPGPQTRSDLLSGRDWNTLIVGKLSPWIRPDSKVEKIRRNSEAAMLQELNF GAYLGLPAFLPLNQEDNTNLARVLTNHIHTGHHSSMFWMRVPLVAPEDLRDDIEN APTTHTEEYSGEEKTWMWWHNFRTLCDYSKRIAAVALEIGADLPSNHVIDRWLGEPK AAILPTSIFLTNKKGFPVLSKMHQRLIFRLLKLEVQFIITGTNNHSEKEFCSYLQYLEYL SQNRPPPNAYELFAKGYEDYLSPLQPLMDNLESQTYEVFEKDPIKYSQYQQAIYKC

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LLDRVPEEEKDTNVQVLMVLGAGRGPLVNASLRAAKQADRRIKLYAVEKNPNAVVTLE
 ENWQFEEWGSQVTVVSSDMREWWAPEKADIIVSELLGSFADNELSPECLDGAQHFL
 KDDGVSIPIGEYTSFLAPISSSKLYNEVRACREKDRDPEAQFEMPYVVRHLNHFHQLSA
 PQPCFTFSPNRPDPMIDNNRYCTLEFPVEVNTVLHGFAGYFETVLYQDITLSIRPETH
 SPGMFSWFPILFPIKQPITVREGQTICVRFWRCSNSKKVWYEWAVTAPVCSAIHNPT
 GRSYTIGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 PRMT5 protein arginine methyltransferase 5 [Homo sapiens (human)]

Official Symbol PRMT5

Synonyms PRMT5; protein arginine methyltransferase 5; HRMT1L5, SKB1, skb1 (S. pombe) homolog, SKB1 homolog (S. pombe); protein arginine N-methyltransferase 5; SKB1Hs; SKB1 homolog; jak-binding protein 1; 72 kDa ICh-binding protein; HMT1 hnRNP methyltransferase-like 5; shk1 kinase-binding protein 1 homolog; histone-arginine N-methyltransferase PRMT5; JBP1; SKB1; IBP72; HRMT1L5;

Gene ID 10419

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mRNA Refseq [NM_006109](#)

Protein Refseq [NP_006100](#)

MIM [604045](#)

UniProt ID [O14744](#)

SDS-PAGE



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