

Recombinant Full Length Human PRMT5 Protein, C-Flag-tagged

Cat. No. PRMT5-688HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PRMT5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	72.5 kDa
AA Sequence	MAAMAVGGAGGSRVSSGRDLNCVPEIADTLGAVAKQGFDFLCMPVFHPRFKREFIQ EPAKNRPGPQTRSD LLLSGRDWNTLIVGKLSWPWRPDSKVEKIRRNSEAAMLQELN FGAYLGLPAFLPLNQEDNTNLARVLTN HIHTGHHSSMFWMRVPLVAPEDLRDDIIE NAPTTHTEEYSGEEKTWMWWHNFRTLCDYSKRIAVALEIGA DLPSNHVIDRWLGEP IKAAILPTSIFLTNKKGFPVLSKMHQRLIFRLKLEVQFIITGTNHHSEKEFCYSY LQYLE

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YLSQNRPPPNAYELFAKGYEDYLQSPLQPLMDNLESQTYEVFEKDPIKYSQYQQAIY
 KCLLDRVP EEEKDTNVQVLMVLGAGRGPLVNASLRAAKQADRRIKLYAVEKNPNAV
 VTLENWQFEEWGSQVTVVSSDM REWVAPEKADIIVSELLGSFADNELSPECLDGA
 QHFLKDDGVSIPGEYTSFLAPISSSKLYNEVRACREK DRDPEAQFEMPYVVRLHNF
 HQLSAPQPCFTFSHPNRDPMIDNNRYCTLEFPVEVNTVLHGFAGYFETVLY QDITLS
 IRPETHSPGMFSWFPILFPIKQPITVREGQTICVRFWRCSNSKKVWYEWAVTAPVCS
 AIHNPTG
 RSYTIGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Stem cell - Pluripotency
Full Length	Full L.

GENE INFORMATION

Gene Name	PRMT5 protein arginine methyltransferase 5 [Homo sapiens (human)]
Official Symbol	PRMT5

Synonyms	HSL7; JBP1; SKB1; IBP72; SKB1Hs; HRMT1L5
Gene ID	10419
mRNA Refseq	NM_006109.5
Protein Refseq	NP_006100.2
MIM	604045
UniProt ID	O14744



Coomassie blue staining of purified PRMT5 protein.

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