

Product datasheet for TP303458

PRMT5 (NM_006109) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human protein arginine methyltransferase 5 (PRMT5), transcript variant 1, 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC203458 protein sequence
Red=Cloning site **Green**=Tags(s)

MAAMAVGGAGGSRVSSGRDLNCVPEIADTLGAVAKQGFDFLCMPVFHPRFKREFIQEPAKNRPGPQTRSD
LLLSGRDWNTLIVGKLSWPWRPDSKVEKIRRNSEAAMLQELNFGAYLGLPAFLPLNQEDNTNLARVLTN
HIHTGHHSSMFWMRVPLVAPEDLRDDIENAPTTHTTEEYSGEEKTWMWWHNFRTLCDYSKRIAVALEIGA
DLPSNHVIDRWLGEPIKAAIPTSIFLTNKKGFPVLSKMHQRLIFRLLKLEVQFIITGTNHHSEKEFCSY
LQYLEYLSQNRPPPNAYELFAKGYEDYLSPLQPLMDNLESQTYEVFEKDPKYSQYQQAIYKCLLDRVP
EEEKDTNVQVLMVLGAGRGPLVNASLRAAKQADRIKLYAVEKNPNAVVTLENWQFEWGSQVTVVSSDM
REWVAPEKADIIVSELLGSFADNELSPECLDGAQHFLKDDGVSIPGEYTSFLAPISSSKLYNEVRACREK
DRDPEAQFEMPYVRLHNFHQLSAPQPCFTFSHPNRDPMIDNNRYCTLEFPVEVNTVLHGFGAGYFETVLY
QDITLSIRPETHSPGMFSWFPILFPIKQPITVREGQTCVRFWRCSNSKKVWYEWAVTAPVCSAIHNPTG
RSYTIGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 72.5 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.



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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:	NP_006100
Locus ID:	10419
UniProt ID:	O14744
RefSeq Size:	2541
Cytogenetics:	14q11.2
RefSeq ORF:	1911
Synonyms:	HRMT1L5; HSL7; IBP72; JBP1; SKB1; SKB1Hs
Summary:	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. [provided by RefSeq, Sep 2015]
Protein Families:	Stem cell - Pluripotency

Product images:

Coomassie blue staining of purified PRMT5 protein (Cat# TP303458). The protein was produced from HEK293T cells transfected with PRMT5 cDNA clone (Cat# [RC203458]) using MegaTran 2.0 (Cat# [TT210002]).