

## Product datasheet for **TP303458M**

### 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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203458 protein sequence Red=Cloning site Green=Tags(s)

MAAMAVGGAGGSRVSSGRDLNCVPEIADTLGAVAKQGFDFLCMPVFHPRFKREFIQEPAKNNRPGPQTRSD  
LLLSGRDWNTLIVGKLSWPWRPDSKVEKIRRNSEAAMLQELNFGAYLGLPAFLPLNQEDNTNLARVLTN  
HIHTGHHSSMFWMRVPLVAPEDLRDDIENAPTTHTTEEYSGEEKTWMWWHNFRTLCDYSKRIAVALEIGA  
DLPSNHVIDRWLGEPIKAAIPTSIFLTNKKGFPVLSKMHQRLIFRLLKLEVQFIITGTNHHSEKEFCSY  
LQYLEYLSQNRPPPNAYELFAKGYEDYLSPLQPLMDNLESQTYEVFEKDKPIKYSQYQQAIYKCLLDRVP  
EEEKDTNVQVLMVLGAGRGPLVNASLRAAKQADRIKLYAVEKNPNAVVTLENWQFEWGSQVTVVSSDM  
REWVAPEKADIIVSELLGSFADNELSPECLDGAQHFLKDDGVSIPGEYTSFLAPISSSKLYNEVRACREK  
DRDPEAQFEMPVWRLHNFHQLSAPQPCFTFSHPNRDPMIDNNRYCTLEFPVEVNTVLHGFGAGYFETVLY  
QDITLSIRPETHSPGMFSWFPILFPIKQPITVREGQTICVRFWRCSNSKKVWYEWAVTAPVCSAIHNPTG  
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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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_006100</a>
<b>Locus ID:</b>	10419
<b>UniProt ID:</b>	<a href="#">O14744</a>
<b>RefSeq Size:</b>	2541
<b>Cytogenetics:</b>	14q11.2
<b>RefSeq ORF:</b>	1911
<b>Synonyms:</b>	HRMT1L5; HSL7; IBP72; JBP1; SKB1; SKB1Hs
<b>Summary:</b>	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]
<b>Protein Families:</b>	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]).