

## Product datasheet for **TP309527L**

### PRMT6 (NM\_018137) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein arginine methyltransferase 6 (PRMT6), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209527 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MIADRVRTDAYRLGILRNWAALRGKTVLDVAGGTGILSIFCAQAGARRVYAVEASAIWQQAREVVRFNGL EDRVHVLPGPVETVELPEQVDAIVSEWMGYGLLHESMLSSVLHARTKWLKEGGLLPASAELFIAPISDQ MLEWRLGFWSQVKQHYGVDMSCLEGFATRCLMGHSEIVVQGLSGEDVLARPQRFAQLELSRAGLEQLEA GVGGRFRCSYGSAPMHGFAIWFQVTFPGGESEKPLVLSTSPFHHPATHWKQALLYLNEPVQVEQDQDQDQDQ EITLLPSRDNPRRLRVLLRYKVGDKQEEKTKDFAMED  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	41.8 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.
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:	<u><a href="#">NP_060607</a></u>
Locus ID:	55170



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UniProt ID: [Q96LA8](#)

RefSeq Size: 2665

Cytogenetics: 1p13.3

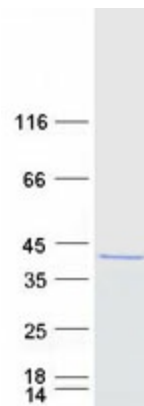
RefSeq ORF: 948

Synonyms: HRMT1L6

**Summary:** The protein encoded by this gene belongs to the arginine N-methyltransferase family, which catalyze the sequential transfer of methyl group from S-adenosyl-L-methionine to the side chain nitrogens of arginine residues within proteins, to form methylated arginine derivatives and S-adenosyl-L-homocysteine. This protein can catalyze both, the formation of omega-N monomethylarginine and asymmetrical dimethylarginine, with a strong preference for the latter. It specifically mediates the asymmetric dimethylation of Arg2 of histone H3, and the methylated form represents a specific tag for epigenetic transcriptional repression. This protein also forms a complex with, and methylates DNA polymerase beta, resulting in stimulation of polymerase activity by enhancing DNA binding and processivity. [provided by RefSeq, Sep 2011]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified PRMT6 protein (Cat# [TP309527]). The protein was produced from HEK293T cells transfected with PRMT6 cDNA clone (Cat# [RC209527]) using MegaTran 2.0 (Cat# [TT210002]).