

## Product datasheet for PH309527

### PRMT6 (NM\_018137) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PRMT6 MS Standard C13 and N15-labeled recombinant protein (NP_060607)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209527
Predicted MW:	35.2 kDa
Protein Sequence:	>RC209527 protein sequence Red=Cloning site Green=Tags(s)

MIADRVRTDAYRLGILRNWAALRGKTVLDVGAGTGILSIFCAQAGARRVYAVEASAIWQQAREVVRFNGL  
EDRVHVLPGPVETVELPEQVDAIVSEWMGYGLLHESMLSSVLHARTKWLKEGGLLLPASAELEFIAPISDQ  
MLEWRLGFWSQVKQHYGVDMSCLEGFATRCLMGHSEIVVQGLSGEDVLARPQRFAQLELSRAGLEQELEA  
GVGGRFRCSCYGSAPMHGFAIWFQVTFPGGESEKPLVLSTSPFHPATHWKQALLYLNEPVQVEQDQTDVSG  
EITLLPSRDNPRRLRVLLRYKVGQEEKTKDFAMED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_060607</a></u>
RefSeq Size:	2665
RefSeq ORF:	948
Synonyms:	HRMT1L6
Locus ID:	55170



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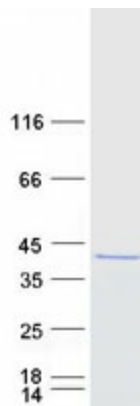
UniProt ID: [Q96LA8](#)

Cytogenetics: 1p13.3

**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]).