

## Product datasheet for PH324239

### PRMT1 (NM\_001536) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PRMT1 MS Standard C13 and N15-labeled recombinant protein (NP_001527)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224239
Predicted MW:	42.3 kDa
Protein Sequence:	>RC224239 representing NM_001536 Red=Cloning site Green=Tags(s)
	MAAAEAANCIMENFVATLANGMSLQPPLLEEVSCGQAESSEKPN AEDMTSKDYFDSYAHFGIHEMLKDE VRTLT YRNSMFHNRHLFKDKVVLVDVSGTGILCMFAAKAGARKVIGIECSSISDYAVKIVKANKLDHVVT I IKGKVEEVELPVEKVDIIISEWMGYCLFYESMLNTVLYARDKWLAPDGLIFPDRATLYVTAIEDRQYKD YKIHWVENVYGFDMSCIKDVAIKEPLVDVDPKQLVTNACLIKEVDIYTVKVEDLTFTSPFCLQVKRNDY VHALVAYFNIEFTRCHKRTGFSTSPESPYTHWKQTVFYMEDYLVTKTGEEIFGTIGMRPNAKNNRDLDF IDLDFKGQLCELSCSTDYRMR
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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:	<a href="#">NP_001527</a>
RefSeq Size:	1386
RefSeq ORF:	1113
Synonyms:	ANM1; HCP1; HRMT1L2; IR1B4
Locus ID:	3276



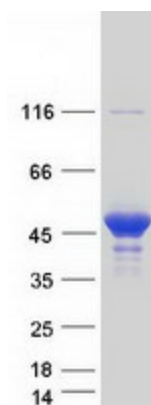
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UniProt ID: [Q99873](#)

Cytogenetics: 19q13.33

**Summary:** This gene encodes a member of the protein arginine N-methyltransferase (PRMT) family. Post-translational modification of target proteins by PRMTs plays an important regulatory role in many biological processes, whereby PRMTs methylate arginine residues by transferring methyl groups from S-adenosyl-L-methionine to terminal guanidino nitrogen atoms. The encoded protein is a type I PRMT and is responsible for the majority of cellular arginine methylation activity. Increased expression of this gene may play a role in many types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 5. [provided by RefSeq, Dec 2011]

### Product images:



Coomassie blue staining of purified PRMT1 protein (Cat# [TP324239]). The protein was produced from HEK293T cells transfected with PRMT1 cDNA clone (Cat# [RC224239]) using MegaTran 2.0 (Cat# [TT210002]).