

## Product datasheet for PH317483

### PRMT4 (CARM1) (NM\_199141) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CARM1 MS Standard C13 and N15-labeled recombinant protein (NP_954592)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217483
Predicted MW:	65.7 kDa
Protein Sequence:	>RC217483 representing NM_199141 Red=Cloning site Green=Tags(s)

MAAAAAVGPAGGAGSAPVGGAGPCATVSVFPGARLLTIGDANGEIQRHAEQQALRLEVRAGPDSAGIALYSHEDVCFKCSVSRETECSRVGKQSFIIITLGCNSVL IQFATPNDFCSFYNILKTCRGHTLERSVFSERTEESSAVQYFQFYGYLSQQQNMMDYVRTGTYQRAILQNHTDFKDKIVLDVXLWLWDPVVF CRPSWSTENLRGXRPAWPSTXEVLVKSNLTDRIVVIPGKVXGXCPXXQVDIIXLGAHGLHALQRXACWRATSTPKYLKPSGNMFPTIGDVHLAPFTDEQLYMEQFTKANFWYQPSFHGVDSLALRGAAVDEYFRQPVVDTFDIRILMAKSVKYTVNFLEAKEGDLHRIEIPFKFHMLHSGLVHGLAFWFDVAFIGSIMTVWLSTAPTEPLTHWYQVRCLFQSPLFAKAGDTLSGTCLLIANKRQSYDISIVAQVDQTSKSSNLLDLKNPFFRYTGTTSPPPP SHYTSPSENMMWNTGSTYNLSSGMAVAGMPTAYDLSSVVIASGSSVGHNNLIPLANTGIVNHTSRMGSIMS TGIVQSSGAQSGGGSTSAHYAVNSQFTMGGPAISMASPMSIPTNTMTHYGS

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_954592</a>
RefSeq Size:	2968
RefSeq ORF:	1836



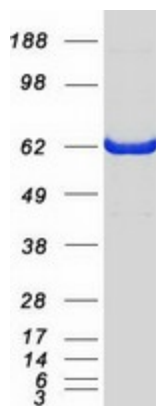
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**Synonyms:** PRMT4  
**Locus ID:** 10498  
**UniProt ID:** [Q86X55](#)  
**Cytogenetics:** 19p13.2  
**Summary:**

This gene belongs to the protein arginine methyltransferase (PRMT) family. The encoded enzyme catalyzes the methylation of guanidino nitrogens of arginyl residues of proteins. The enzyme acts specifically on histones and other chromatin-associated proteins and is involved in regulation of gene expression. The enzyme may act in association with other proteins or within multi-protein complexes and may play a role in cell type-specific functions and cell lineage specification. A related pseudogene is located on chromosome 9. [provided by RefSeq, Aug 2013]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified CARM1 protein (Cat# [TP317483]). The protein was produced from HEK293T cells transfected with CARM1 cDNA clone (Cat# [RC217483]) using MegaTran 2.0 (Cat# [TT210002]).