

## Product datasheet for **TP314074**

### PRMT1 (NM\_198319) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein arginine methyltransferase 1 (PRMT1), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214074 representing NM_198319 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MVGVAEVSCGQAESSEKPN AEDMTSKDYFDSYAHFGIHEEMLKDEVRTLTYRNSMFHNRHLFKDKWLD  
VSGTGILCMFAAKAGARKVIGIECSSISDYAVKIVKANKLDHVVTIIGKVEEVELPVEKVDIIISEWM  
GYCLFYESMLNTVLYARDKWLAPDGLIFPDRATLYVTAIEDRQYKDYKIHWWENVYGFDMSCIKDVAIKE  
PLVDVDPKQLVTNACLIEKVDIYTKVEDLTFTSPFCLQVKRNDYVHALVAYFNIEFTRCHKRTGFSTS  
PESPYTHWKQTVFYMEDYLTVKTGEEIFGTIGMRPNAKNNRDLDFDIDLDFKQGLCELS CSTDYRMR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

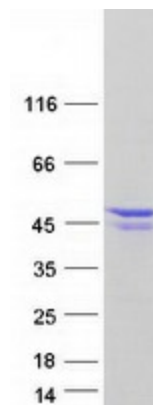
Tag:	C-Myc/DDK
Predicted MW:	42.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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_938075</a></u>
Locus ID:	3276



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UniProt ID:	<a href="#">Q99873</a>
RefSeq Size:	1435
Cytogenetics:	19q13.33
RefSeq ORF:	1041
Synonyms:	6720434D09Rik; ANM1; arginine N-methyltransferase 1; AW214366; HCP1; heterogeneous nuclear ribonucleoproteins methyltransferase-like 2; HRMT1L2; Hrmt1L2; IR1B4; Mrmt1; OTTMUSP00000022387; protein arginine N-methyltransferase 1
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# TP314074). The protein was produced from HEK293T cells transfected with PRMT1 cDNA clone (Cat# [RC214074]) using MegaTran 2.0 (Cat# [TT210002]).