

Product datasheet for TP324239

PRMT1 (NM_001536) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein arginine methyltransferase 1 (PRMT1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224239 representing NM_001536 Red=Cloning site Green=Tags(s)

MAAAEAANCIMENFVATLANGMSLQPPLEEVSCGQAESSEKPN AEDMTSKDYDFDSYAHFGIHEEMLKDE
VRTLTyrNSMFHNRHLFKDKVLDVGSgtGILCMFAAKAGARKVIGIECSSISDYAVKIVKANKLDHVVT
IIGKVEEVELPVEKVDIIISEWMGYCLFYESMLNTVLYARDKWLAPDGLIFPDRATLYVTAIEDRQYKD
YKIHWWENVYGFDMSCIKDVAIKEPLVDVDPKQLVTNACLIVKEDDIYTVKVEDLTFTSPFCLQVCRNDY
VHALVAYFNIEFTRCHKRTGFSTSPESPYTHWKQTVFYMEDYLTVKTGEEIFGTIGMRPNAKNNRDLDF
IDLDFKQQLCELSCSTDYRMR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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
Bioactivity:	In vitro methylation assay (enzyme) (PMID: 26221041)
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.

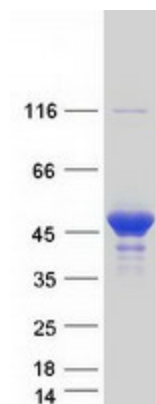


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RefSeq:	NP_001527
Locus ID:	3276
UniProt ID:	Q99873
RefSeq Size:	1386
Cytogenetics:	19q13.33
RefSeq ORF:	1113
Synonyms:	ANM1; HCP1; HRMT1L2; IR1B4

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]).