

Product datasheet for **AR09076PU-N**

PRMT1 (Isoform 3) (1-353, His-MBP-tagged) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PRMT1 (Isoform 3) (1-353, His-MBP-tagged) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MHHHHHMKI EEGKLIWIN GDKGYNGLAE VGKKFEKDTG IKVTVEHPDK LEEKFQVAA</u> <u>TGDGPDIIFW AHDRFGGYAQ SGLLAEITPD KAFQDKLYPF TWDAVRYNGK LIAYPIAVEA</u> <u>LSLIYNKDLL PNPPKTWEEI PALDKELKAK GKSALMFNLQ EPYFTWPLIA ADGGYAFKYE</u> <u>NGKYDIKDVG VDNAGAKAGL TFLVDLIK NK HMNADTDYSI AEA AFNKGET AMTINGPWAW</u> <u>SNIDTSKVNY GVTVLPTFKG QPSKPFVGV L SAGINAASPN KELA KEFLEN YLLTDEGLEA</u> <u>VNKDKPLGAV ALKSYEEELA KDPRIATME NAQKGEIMPN IPQMSAFWYA VRTAVINAAS</u> <u>GRQTVDEALK DAQTNSSSNN NNNNNNNNLG IEGRGSHMAA AEA NCIMEV SCGQAESSEK</u> <u>PNAEDMTSKD YYFDSYAHFG IHEEMLKDEV R TLTYRNSMF HNRHLFKDKV VLDVSGGTGI</u> <u>LCMFAAKAGA R KVI GIECSS ISDYAVKIVK ANKLDHVVTI IKGKVEEVEL PVEKVDIIS EWMGYCLFYE</u> <u>SMLNTVLYAR DKWLAPDGLI FPDRATLYVT AIEDRQYKDY KIHWWENVY G FDMSCIKDVA</u> <u>IKEPLVDVD PKQLVTNACL IKEVDIYTVK VEDLTFTSPF CLQV KRNDYV HALVAYFNIE FTRCHKRTGF</u> <u>STSPESPYTH WKQTVFYMED YLTVKTGEEI FG TIGMRPNA KNNRDLFTI DLDFK GQLCE</u> <u>LSCSTDYRMR</u>
Tag:	His-MBP-tag
Concentration:	lot specific
Purity:	≥90 by SDS PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 40 mM Tris pH 8.0, 100 mM NaCl, 4 mM MgCl ₂ , 2 mM DTT, 40% glycerol
Bioactivity:	Specific activity is > 10 nmol/min/mg, and is defined as the amount of enzyme that transfer 1.0 nmole of methyl group on histone H4 per minute at at 37°C.
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PRMT1, fused to His-MBP tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.



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Stability: Shelf life: one year from despatch.

RefSeq: [NP_001193971](#)

Locus ID: 3276

UniProt ID: [Q99873](#)

Cytogenetics: 19q13.33

Synonyms: HMT2, 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:

