

## Product datasheet for **AR09076PU-L**

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

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	PRMT1 (Isoform 3) (1-353, His-MBP-tagged) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	<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 NAO KGEIMPN 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>IKEPLVDVVD PKQLVTNACL IKEVDIYTVK VEDLTFTSPF CLQV KRNDYV HALVAYFNIE FTRCHKRTGF</u> <u>STSPESP YTH WKQTVFYMED YLTVKTGEEI FG TIGMRPNA KNNRDL DFTI DLDFK GQLCE</u> <u>LSCSTDYRMR</u>
<b>Tag:</b>	His-MBP-tag
<b>Concentration:</b>	lot specific
<b>Purity:</b>	≥90 by SDS PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 40 mM Tris pH 8.0, 100 mM NaCl, 4 mM MgCl <sub>2</sub> , 2 mM DTT, 40% glycerol
<b>Bioactivity:</b>	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.
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human PRMT1, fused to His-MBP tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	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:	<a href="#">NP_001193971</a>
Locus ID:	3276
UniProt ID:	<a href="#">Q99873</a>
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:

