

## Recombinant Human PRMT1, MBP-tagged

Cat. No. PRMT1-31114TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human PRMT1 fused to a His-MBP tag at the N-terminus; 750 amino acids, MWt 84 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The PRMT1 gene encodes a protein arginine methyltransferase that functions as a histone methyltransferase specific for H4 (see MIM 602822).
<b>Conjugation</b>	MBP
<b>Biological activity</b>	Specific Activity: 10,000unit/ml. Unit Definition : One unit will transfer 1pmol of methyl group to synthetic peptide of histone H4 for 10 minutes at 37C.
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 40% Glycerol, 40mM Tris, 4mM Magnesium chloride, 2mM DTT, 100mM Sodium chloride, pH 8.0
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

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**Sequences of amino acids**

MHHHHHMKI EEGKLVWIN GDKGYNGLAE VGKKFEKDTGIKVTVEHPDK  
 LEEKFPQVAA TGDGPDIFW AHDRFGGYAQSGLLAEITPD KAFQDKLYPF  
 TWDAVRYNGK LIAYPIAVEALSLIYNKDLL PNPPKTWEEI PALDKELKAK  
 GKSALMFNLQEPYFTWPLIA ADGGYAFKYE NGKYDIKDVG  
 VDNAGAKAGLTFLVDLIK NK HMNADTDYSI AEA AFNKGET  
 AMTINGPWAWSNIDTSKVNY GVTVLPTFKG QPSKPFVGV L  
 SAGINAASPNKELAKEFLEN YLLTDEGLEA VNKDKPLGAV  
 ALKS YEEELAKDPRIAATME NAQKGEIMPN IPQMSAFWYA  
 VRTAVINAASGRQTVDEALK DAQTNSSSN NNNNNNNNLG  
 IEGRGSHMAAAEAANCIMEV SCGQAESSEK PNAEDMTSKD  
 YYFDSYAHFGIHEEMLKDEV RTLTYRNSMF HNRHLFKDKV  
 VLDVSGGTGILCMFAAKAGA RKVIGIECSS ISDYAVKIVK  
 ANKLDHVVTIIGKVEEVEL PVEKVDIIS EWMGYCLFYE  
 SMLNTVLYARDKWLAPDGLI FPDRATLYVT AIEDRQYKDY  
 KIHWWENVYGFDMSCIKDVA IKEPLVDVVD PKQLVTNACL  
 IKEVDIYTVKVEDLTFTSPF CLQVKRNDYV HALVAYFNIE  
 FTRCHKRTGFSTSPESPYTH WKQTVFYMED YLTVKTGEEI  
 FGTIGMRPNAKNNRDLDF TI DLDFKQQLCE LSCSTDYRMR

**Full Length**

Full L.

## GENE INFORMATION

**Gene Name**

PRMT1 protein arginine methyltransferase 1 [ Homo sapiens ]

**Official Symbol**

PRMT1

**Synonyms**

PRMT1; protein arginine methyltransferase 1; HMT1 (hnRNP methyltransferase, S. cerevisiae) like 2 , HMT1 hnRNP methyltransferase like 2 (S. cerevisiae) , HRMT1L2; protein arginine N-methyltransferase 1; ANM1; HCP1;

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<b>Gene ID</b>	3276
<b>mRNA Refseq</b>	NM_001207042
<b>Protein Refseq</b>	NP_001193971
<b>MIM</b>	602950
<b>Uniprot ID</b>	Q99873
<b>Chromosome Location</b>	19q13
<b>Pathway</b>	Androgen Receptor Signaling Pathway, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; Energy Metabolism, organism-specific biosystem; Tryptophan metabolism, organism-specific biosystem; mRNA processing, organism-specific biosystem;
<b>Function</b>	N-methyltransferase activity; N-methyltransferase activity; histone methyltransferase activity; histone methyltransferase activity (H4-R3 specific); methyltransferase activity;

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