

# Recombinant Human Protein Arginine Methyltransferase 1, His-MBP-tagged

**Cat. No.** PRMT1-1761H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Human
<b>Product Overview</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>Description</b>	Protein arginine N-methyltransferase 1 (PRMT1) is a type I methyltransferase that transfers a methyl group from S-adenosylmethionine to guanidino nitrogens of arginine residues to form monomethylarginine and asymmetric dimethylarginine. Functions of type I arginine methylation in proteins may include regulation of transcription, modulation of the affinity of nucleic acid-binding proteins, regulation of interferon signaling pathways, and targeting of nuclear proteins.
<b>Concentration</b>	1 mg/ml
<b>Form</b>	Supplied as a liquid in 40mM Tris, pH 8.0, containing 100mM NaCl, 4mM MgCl <sub>2</sub> , 2mM DTT, and 40% glycerol.
<b>Purity</b>	> 90% by SDS -PAGE
<b>Sequence</b>	1-353 amino acids: MHHHHHMKI EEGKLVIWIN GDKGYNGLAE VGKKFEKDTG IKVTVEHPDK LEEKFPQVAA TGDGPDIIFWAHDRFGGYAQ SGLLAEITPD KAFQDKLYPF TWDAVRYNGK LIAYPIAVEA LSLIYNKDLL

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PNPPKTWEEIPALDKELKAK GKSALMFNLQ EPYFTWPLIA ADGGYAFKYE  
 NGKYDIKDVG VDNAGAKAGL TFLVDLIKMKHMNAD

**MolecularMass** 84 kDa (750 aa)

**Applications** SDS-PAGE

**Storage** Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

**OfficialSymbol** PRMT1

## GENE INFORMATION

**Gene Name** [PRMT1 protein arginine methyltransferase 1 \[ Homo sapiens \]](#)

**Synonyms** PRMT1; protein arginine methyltransferase 1; ANM1; HCP1; IR1B4; HMT2; HRMT1L2; EC 2.1.1; EC2.1.1.77; EC 2.1.1.125; Interferon receptor 1-bound protein 4; protein arginine N-methyltransferase 1; OTTHUMP00000236172; OTTHUMP00000236176; OTTHUMP00000236178; OTTHUMP00000236179; HMT1 hnRNP methyltransferase-like 2; interferon receptor 1-bound protein 4; Histone-arginine N-methyltransferase PRMT1; HMT1 hnRNP methyltransferase-like 2 (S. cerevisiae); HMT1 (hnRNP methyltransferase, S. cerevisiae)-like 2

**Gene ID** [3276](#)

**mRNA Refseq** [NM\\_001536](#)

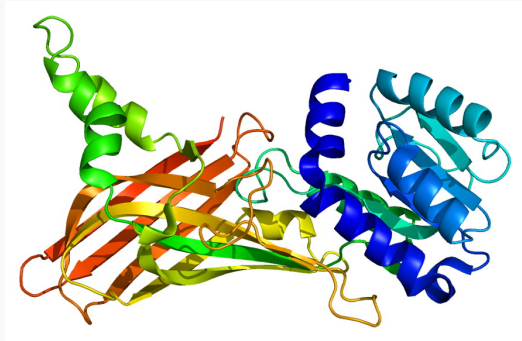
**Protein Refseq** [NP\\_001527](#)

**MIM** [602950](#)

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<b>UniProt ID</b>	Q99873
<b>Chromosome Location</b>	19q13.3
<b>Pathway</b>	AndrogenReceptor Signaling Pathway; Direct p53 effectors; Energy Metabolism;Tryptophan metabolism; mRNA processing
<b>Function</b>	N-methyltransferaseactivity; histone methyltransferase activity; histone methyltransferaseactivity (H4-R3 specific); methyltransferase activity; protein binding;transferase activity
<b>PDBrendering based on 1or8.</b>	

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