

Active Recombinant Full Length Human PRMT1 Protein, C-Flag-tagged

Cat. No. PRMT1-309HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PRMT1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	In vitro methylation assay (enzyme)
Molecular Mass	42.3 kDa
AA Sequence	MAAAEAANCIMENFVATLANGMSLQPPLEEVSCGQAESSEKPNAEDMTSKDYFDS

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YAHFGIHEEMLKDE VRTLTYRNSMFHNRHLFKDKVVLVDVSGTGILCMFAAKAGAR
 KVIGIECSSISDYAVKIVKANKLDHVVT IIKGKVEEVELPVEKVDIISEWMGYCLFYES
 MLNTVLYARDKWLPDGLIFPDRTATLYVTAIEDRQYKD YKIHWWENVYGFDMSCIK
 DVAIKEPLVDVDPKQLVTNACLIKEVDIYTVKVEDLTFTSPFCLQVKRNDY VHALVA
 YFNIEFTRCHKRTGFSTSPESPYTHWKQTVFYMEDYLTVKTGEEIFGTIGMRPNAKN
 NRDLDFT
 IDLDFKGQLCELSCTDYRMRTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

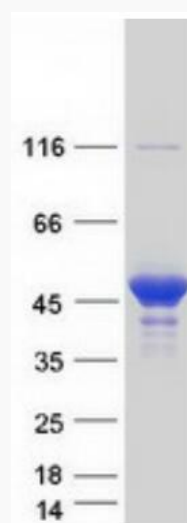
Gene Name	PRMT1 protein arginine methyltransferase 1 [Homo sapiens (human)]
Official Symbol	PRMT1
Synonyms	ANM1; HCP1; IR1B4; HRMT1L2
Gene ID	3276

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mRNA Refseq	NM_001536.6
Protein Refseq	NP_001527.3
MIM	602950
UniProt ID	Q99873



Coomassie blue staining of purified PRMT1 protein.