

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

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

SPECIFICATION

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|-------------------------|---|
| 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 VRTLTYRNSMFHNRHLFKDKVVLDVGS GTGILCMFAAKAGAR
 KVIGIECSSISDYAVKIVKANKLDHVVT IIKGKVEEVELPVEKVDIIISEWVMGYCLFYES
 MLNTVLYARDKWLAPDGLIFPDRATLYVTAIEDRQYKD YKIHWWENVYGFDMSCIK
 DVAIKEPLVDVDPKQLVTNACLIEVDIYTVKVEDLTFTSPFCLQVKRNDY VHALVA
 YFNIEFTRCHKRTGFSTSPESPYTHWKQTVFYMEDYLTVKTGEEIFGTIGMRPNAKN
 NRDLDF
 IDLDFKGQLCELS CSTDYRMRTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 |

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