

Recombinant Human PRMT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRMT1-1286H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRMT1 MS Standard C13 and N15-labeled recombinant protein (NP_001527) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	42.3 kDa
AA Sequence	MAAAEAANCIMENFVATLANGMSLQPPLEEVSCGQAESSEKPNAEDMTSKDYFDS YAHFGIHEEMLKDEVRTLTYRNSMFHNRHLFKDKVVLVDVGSGTGILCMFAAKAGAR KVIGIECSSISDYAVKIVKANKLDHVVTIIGKVEEVELPVEKVDIISEWMGYCLFYES MLNTVLYARDKWLPDGLIFPDRATLYVTAIEDRQYKDYKIHWWENVYGFDMSCIKD

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VAIKEPLVDVDPKQLVTNACLIKEVDIYTVKVEDLTFTSPFCLQVKRNDYVHALVAYF
NIEFTRCHKRTGFSTSPESPYTHWKQTVFYMEDYLTVKTGEEIFGTIGMRPNKNNR
DLDFITIDLDFKGLCELSCSTDYRMRTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PRMT1 protein arginine methyltransferase 1 [Homo sapiens (human)]

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; interferon receptor 1-bound protein 4; histone-arginine N-methyltransferase PRMT1; HMT1 (hnRNP methyltransferase, S. cerevisiae)-like 2; heterogeneous nuclear ribonucleoprotein methyltransferase 1-like 2; IR1B4; HRMT1L2;

Gene ID 3276

mRNA Refseq NM_001536

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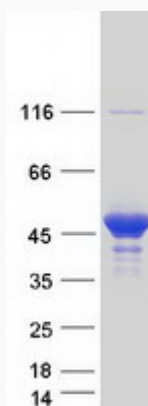
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Protein Refseq NP_001527

MIM 602950

UniProt ID Q99873

SDS-PAGE



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