Protein Arginine N-Methyltransferase 1 (PRMT1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein arginine N-methyltransferase 1 (PRMT1), Recombinant Protein
Full Product Name	Recombinant Human Protein arginine N-methyltransferase 1 (PRMT1)
Product Gene Name	PRMT1 recombinant protein
Product Synonym Gene Name	PRMT1
Sequence	MENFVATLAN GMSLQPPLEE VSCGQAESSE KPNAEDMTSK DYYFDSYAHF GIHEEMLKDE VRTLTYRNSM FHNRHLFKDK VVLDVGSGTG ILCMFAAKAG ARKVIGIECS SISDYAVKIV KANKLDHVVT IIKGKVEEVE LPVEKVDIII SEWMGYCLFY ESMLNTVLYA RDKWLAPDGL IFPDRATLYV TAIEDRQYKD YKIHWWENVY GFDMSCIKDV AIKEPLVDVV DPKQLVTNAC LIKEVDIYTV KVEDLTFTSP FCLQVKRNDY VHALVAYFNI EFTRCHKRTG FSTSPESPYT HWKQTVFYME DYLTVKTGEE IFGTIGMRPN AKNNRDLDFT IDLDFKGQLC ELSCSTDYRM R
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	42,462 Da
Sequence Positions	1-361, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for H7C2I1
Species	Homo sapiens (Human)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PRMT1 recombinant protein	MBS1336710 is a recombinant protein targeting PRMT1. Also known as Recombinant Human Protein arginine N-methyltransferase 1 (PRMT1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PRMT1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRMT1. It may not necessarily be applicable to this product.

NCBI GI #	154759421
NCBI GeneID	3276
NCBI Accession #	NP_001527.3
UniProt Primary Accession #	H7C2I1

UniProt Related Accession #	Q99873
GenBank Nucleotide #	NM_001536.5
NCBI Official Full Name	protein arginine N-methyltransferase 1 isoform 1
NCBI Official Synonym Full Names	protein arginine methyltransferase 1
NCBI Official Symbol	PRMT1
NCBI Official Synonym Symbols	ANM1; HCP1; IR1B4; HRMT1L2
UniProt Protein Name	Protein arginine N-methyltransferase 1
UniProt Synonym Protein Names	Protein arginine N-methyltransferase 1
Protein Family	Probable protein arginine N-methyltransferase
UniProt Gene Name	PRMT1
NCBI Protein Information	protein arginine N-methyltransferase 1
NCBI Summary for PRMT1	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. [provided by RefSeq, Dec 2011]
Research Articles on PRMT1	**1.** Analysis of deletion constructs of SERBP1 showed that the C-terminal third of the SERBP1 protein, which contains one of its two substrate sites for protein arginine N-methyltransferase 1 (PRMT1), is necessary and sufficient for it to interact with RACK1
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