

Recombinant Human PRMP1, His-tagged

Cat. No. PRMP1-678H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PRMT1 produced in <i>SF21 cells</i> fused to a His-tag.
Species	Human
Source	Insect Cells
Description	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.
Source/Host	SF21 cells.
Application	Study of enzyme kinetics and regulation, dephosphorylation of target substrates, and inhibitor screening.
Concentration	0.5mg/ml.
Purity	≥90% (SDS-PAGE).
Specific Activity	50-100ng are required for standard HAT assay.
Formulation	Liquid. In 50mM TRIS-HCl, pH 7.5, containing 100mM sodium chloride, 0.2% NP-40,

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50mM imidazole and 10% glycerol.

Long Term Storage -80°C.

Handling Avoid freeze/thaw cycles. After opening, prepare aliquots and store in liquid nitrogen.

GENE INFORMATION

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

Synonyms HMT1 hnRNP methyltransferase-like 2 isoform 3; protein arginine methyltransferase 1; ANM1; HCP1; IR1B4; HRMT1L2; PRMT1; HMT1 hnRNP methyltransferase-like 2; interferon receptor 1-bound protein 4; protein arginine N-methyltransferase 1; HMT1 (hnRNP methyltransferase, *S. cerevisiae*)-like 2; EC 2.1.1.; HMT1 hnRNP methyltransferase-like 2 (*S. cerevisiae*); protein arginine methyltransferase 1

Gene ID [3276](#)

mRNA Refseq [NM_198318](#)

Protein Refseq [NP_938074](#)

MIM [602950](#)

UniProt ID [Q8WUW5](#)

Chromosome Location 19q13.3

Function N-methyltransferase activity; protein binding; transferase activity

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