

Recombinant Human PRMT1 Protein, His&GST-tagged

Cat. No. PRMT1-1985H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRMT1 Protein (Gly165-Arg371) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly165-Arg371
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.3 kDa Accurate Molecular Mass: 54 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

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_001207042

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Protein Refseq	NP_001193971
MIM	602950
UniProt ID	Q99873

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