

Recombinant Human Protein Arginine Methyltransferase 3, GST-tagged

Cat. No. PRMT3-1617H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human PRMT3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	PRMT3 is a protein arginine methyltransferase that catalyze the formation of asymmetric N (G),N (G)-dimethylarginine (ADMA) residues in proteins. 40S ribosomal protein S2 is a physiological substrate of PRMT3 and PRMT3 regulates ribosome biosynthesis at a stage beyond pre-rRNA processing. DAL-1 (differentially expressed in adenocarcinoma of the lung)/4.1B is a tumor suppressor gene that can significantly inhibits PRMT3 methylation of cellular substrates. Modulation of post-translational methylation may be an important mechanism through which DAL-1/4.1B affects tumor cell growth.
Applications	Western Blot
Molecular Weight	97 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCL, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM PMSF, 0.25 mM DTT, 25% glycerol, 0.1 mM EDTA.

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Purity	> 90 %
Concentration	0.1 ug/ul
Storage	Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
GENE INFORMATION	
Gene Name	PRMT3 protein arginine methyltransferase 3 [Homo sapiens]
Official Symbol	PRMT3
Synonyms	PRMT3; protein arginine methyltransferase 3; HRMT1L3; HMT1 hnRNP methyltransferase-like 3 (S. cerevisiae); Protein arginine N-methyltransferase 3; EC 2.1.1.;Heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 3
Gene ID	10196
mRNA Refseq	NM_001145166
Protein Refseq	NP_001138638
MIM	603190
UniProt ID	O60678
Chromosome Location	11p15.1
Function	metal ion binding; protein-arginine N-methyltransferase activity; transferase activity;

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zinc ion binding

PDBrendering based
on 1f3l.

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