

## Recombinant Human PRMT3, GST-tagged

**Cat. No.** PRMT3-6961H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human PRMT3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	Full length
<b>Description</b>	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.
<b>Form</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
<b>Molecular Mass</b>	~97 kDa
<b>Purity</b>	>90%

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<b>Applications</b>	Western Blot
<b>Storage</b>	Store at $-70^{\circ}\text{C}$ . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.1 $\mu\text{g}/\mu$
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	PRMT3 protein arginine methyltransferase 3 [ Homo sapiens ]
<b>Official Symbol</b>	PRMT3
<b>Synonyms</b>	PRMT3; protein arginine methyltransferase 3; HMT1 hnRNP methyltransferase like 3 (S. cerevisiae) , HRMT1L3; protein arginine N-methyltransferase 3; HMT1 hnRNP methyltransferase-like 3; heterogeneous nuclear ribonucleoprotein methyltransferase-like 3; heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 3; HRMT1L3;
<b>Gene ID</b>	10196
<b>mRNA Refseq</b>	NM_001145166
<b>Protein Refseq</b>	NP_001138638
<b>MIM</b>	603190
<b>UniProt ID</b>	O60678
<b>Chromosome Location</b>	11p15.1

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**Function**

metal ion binding; protein-arginine N-methyltransferase activity; protein-arginine omega-N asymmetric methyltransferase activity; transferase activity; zinc ion binding;

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