Recombinant Human PRMT3, GST-tagged

Cat. No. PRMT3-6961H **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
ProteinLength	Full length
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.
Form	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.
Molecular Mass	~97 kDa
Purity	>90%

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1 μg/μ

GENE INFORMATION

Gene Name	PRMT3 protein arginine methyltransferase 3 [Homo sapiens]
Official Symbol	PRMT3
Synonyms	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;
Gene ID	10196
mRNA Refseq	NM_001145166
Protein Refseq	NP_001138638
MIM	603190
UniProt ID	O60678
Chromosome Location	11p15.1

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA