# 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. |

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

| | |
|---|---|
| **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; |

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

| | |
|---|---|
| | zinc ion binding |
| **PDBrendering based on 1f3l.** | |

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