

PRMT3 recombinant protein

PRMT3, Active

CATALOG # AAA73069	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
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PRODUCT SYNONYMS

PRMT3; Active; PRMT3 recombinant protein

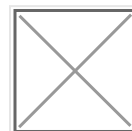
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full Length
Sequence Length	2632
Applicable Applications for PRMT3 recombinant protein	Methyltransferase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. 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.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for PRMT3 recombinant protein	Description: Recombinant full-length human PRMT3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: PRMT3 is a protein arginine methyltransferase that catalyze the formation of asymmetric N (G),N (G)-dimethylarginine (ADMA) residues in proteins (1). 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 (2). Modulation of post-translational methylation may be an important mechanism through which DAL-1/4.1B affects tumor cell growth.
Product Categories/Family for PRMT3 recombinant protein	Enzymes; Active Methyltransferases

References	1. Tang, J. et al: PRMT 3, a type I protein arginine N-methyltransferase that differs from PRMT1 in its oligomerization, subcellular localization, substrate specificity, and regulation. J. Biol. Chem. 273: 16935-16945, 1998. 2. Singh V, DAL-1/4.1B tumor suppressor interacts with protein arginine N-methyltransferase 3 (PRMT3) and inhibits its ability to methylate substrates in vitro and in vivo. Oncogene. 2004 Oct 14;23 (47):7761-71.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40674147
NCBI GeneID	10196
Molecular Weight	~97 kDa
NCBI Official Full Name	Homo sapiens protein arginine methyltransferase 3, mRNA
NCBI Official Synonym Full Names	protein arginine methyltransferase 3
NCBI Official Symbol	PRMT3
NCBI Official Synonym Symbols	HRMT1L3
NCBI Protein Information	protein arginine N-methyltransferase 3
UniProt Protein Name	Protein arginine N-methyltransferase 3
UniProt Gene Name	PRMT3
UniProt Synonym Gene Names	HRMT1L3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/prmt3-recombinant-protein-sf9-insect-cells-using-baculovirus-methyltransferase-assay/73069>