

PRMT4 recombinant protein

PRMT4, Active

CATALOG # AAA73070	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
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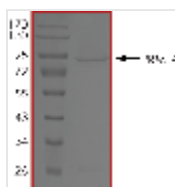
PRODUCT SYNONYMS

PRMT4; Active; PRMT4 recombinant protein

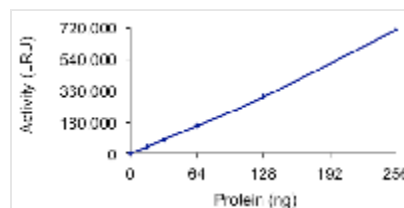
PRODUCT SPECIFICATIONS

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	2968
Applicable Applications for PRMT4 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 PRMT4 recombinant protein	Description: Recombinant full-length human PRMT4 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: Histone-arginine methyltransferase, Coactivator-associated arginine methyltransferase-1 (CARM1 or PRMT4) methylates (mono- and asymmetric dimethylation) the guanidino nitrogens of arginyl residues in several proteins involved in DNA packaging, transcription regulation, pre-mRNA splicing, and mRNA stability. It is known to enhance transcriptional activation by nuclear receptors through interactions with the coactivators p160 and cAMP response element binding protein-binding protein (CBP) and methylation of histone H3 at arginine 17 (H3-R17).
Product Categories/Family for PRMT4 recombinant protein	Enzymes; Active Methyltransferases

References	1. Miao F, Li S, Chavez V, Lanting L, Natarajan R. Coactivator-associated arginine methyltransferase-1 enhances nuclear factor-kappaB-mediated gene transcription through methylation of histone H3 at arginine 17. Mol Endocrinol. 20 (7):1562-73. 2006.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40288287
NCBI GeneID	10498
NCBI Accession #	NM_199141.1
NCBI GenBank Nucleotide #	NM_199141
UniProt Accession #	Q86X55; A6NN38
Molecular Weight	92 kDa
NCBI Official Full Name	Homo sapiens coactivator associated arginine methyltransferase 1 (CARM1), mRNA
NCBI Official Synonym Full Names	coactivator associated arginine methyltransferase 1
NCBI Official Symbol	CARM1
NCBI Official Synonym Symbols	PRMT4
NCBI Protein Information	histone-arginine methyltransferase CARM1
UniProt Protein Name	Histone-arginine methyltransferase CARM1
UniProt Gene Name	CARM1
UniProt Synonym Gene Names	PRMT4

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.

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Online datasheet: <https://stage.aaabiotech.com/carm1-recombinant-protein-sf9-insect-cells-using-baculovirus-methyltransferase-assay/73070>