

PRMT4 recombinant protein

Recombinant PRMT4 (CARM1) protein

CATALOG # AAA60138	HOST Baculovirus
------------------------------	----------------------------

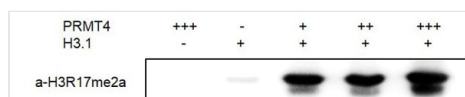
PRODUCT SYNONYMS

PRMT4; Recombinant PRMT4 (CARM1) protein; Coactivator Associated Arginine Methyltransferase 1; Protein Arginine N-Methyltransferase 4; PRMT4 recombinant protein

PRODUCT SPECIFICATIONS

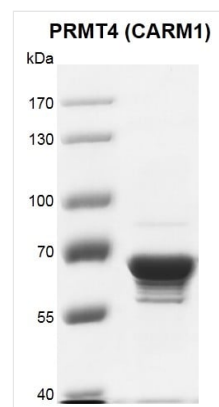
Host	Baculovirus
Form/Format	Full length recombinant PRMT4 (CARM1) protein is supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100 and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Notes	Recombinant PRMT4 (CARM1) protein is suitable for use in enzyme kinetics, inhibitor screening, and selectivity profiling.
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	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



WB (Western Blot)

Recombinant PRMT4 (CARM1) protein activity assay 0.5 ug Histone H3.1 were incubated with 0, 0.05 ug, 0.1 ug, 0.2 ug PRMT4 (CARM1) in 30 ul reaction system for 2 hours at room temperature, respectively. 6 ul reaction samples were loaded and run on a 13% SDS-PAGE gel. Western blot was used to detect the generation of products (H3R17me2a antibody). The western blot results show that histone H3 is di-methylated on its Arginine 17 by PRMT4 (CARM1).



SDS-PAGE

Recombinant PRMT4 (CARM1) protein gel 8% SDS-PAGE Coomassie staining MW: 66.8 kDa
Purity: >88%

ADDITIONAL INFORMATION

Related Product Information for PRMT4 recombinant protein	Short Description: Recombinant human PRMT4 (CARM1) was expressed in a baculovirus expression system as the full-length protein (accession number NP_954592.1) with an N-terminal DYKDDDDK tag. The molecular weight of the protein is 66.8 kDa. It is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling. Background: PRMT4 (CARM1)(Coactivator-associated arginine methyltransferase 1 or Carm1) is a protein arginine N-methyltransferase that catalyzes the mono- and asymmetric dimethylation of arginine residues in its substrate proteins. It serves as a coactivator of transcription and also plays a role in nuclear receptors. PRMT4 (CARM1) methylates histone H3 at Arg2, Arg17 and Arg26; it also methylates a number of non-histone substrates involved in the regulation and mechanism of gene expression.
Product Categories/Family for PRMT4 recombinant protein	Recombinant Proteins; Histone Methyltransferase (HMT); Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	40288288
NCBI GeneID	10498
NCBI Accession #	NP_954592.1
NCBI GenBank Nucleotide #	NM_199141.1
UniProt Accession #	Q86X55; A6NN38
Molecular Weight	41,885 Da
NCBI Official Full Name	histone-arginine methyltransferase CARM1
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; protein arginine N-methyltransferase 4
UniProt Protein Name	Histone-arginine methyltransferase CARM1
UniProt Gene Name	CARM1
UniProt Synonym Gene Names	PRMT4
UniProt Entry Name	CARM1_HUMAN

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/carm1-recombinant-protein-baculovirus/60138>