

DNMT3A recombinant protein

DNMT3A, Active

CATALOG # AAA72980	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
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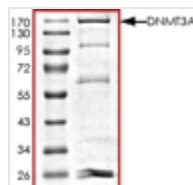
PRODUCT SYNONYMS

DNMT3A; Active; DNMT3A recombinant protein

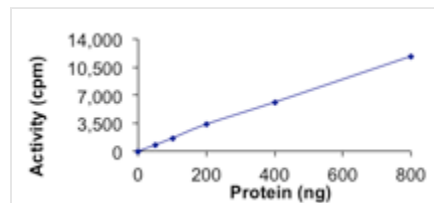
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full Length
Sequence Length	4294
Applicable Applications for DNMT3A 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 DNMT3A recombinant protein	Description: Recombinant full-length human DNMT3A was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: DNMT3A: DNA (cytosine-5-)-methyltransferase 3 alpha plays important role in genomic imprinting and X chromosome inactivation and is essential for mammalian development. DNMT3A appears to function as a de novo methyltransferase, since it can methylate unmethylated and hemimethylated DNA with equal efficiencies (1). DNMT3A is required for genome wide de novo methylation and is essential for mammalian development (2). DNMT3A is critical for maintaining active chromatin states of genes that are essential for development.
Product Categories/Family for DNMT3A recombinant protein	Enzymes; Active Methyltransferases

References	1. Yanagisawa, Y. et al: The human DNA methyltransferases DNMT3A and DNMT3B have two types of promoters with different CpG contents. Biochim. Biophys. Acta 1577: 457-465, 2002. 2. Okano, M. et al: DNA methyltransferase Dnmt3a and Dnmt3b are essential for de novo methylation and mammalian development. Cell 99: 247-257, 1999.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27694443
NCBI GeneID	1788
Molecular Weight	~162 kDa
NCBI Official Full Name	Homo sapiens DNA (cytosine-5-)-methyltransferase 3 alpha, mRNA
NCBI Official Synonym Full Names	DNA methyltransferase 3 alpha
NCBI Official Symbol	DNMT3A
NCBI Official Synonym Symbols	TBRS; DNMT3A2; M.HsaIIIA
NCBI Protein Information	DNA (cytosine-5)-methyltransferase 3A
UniProt Protein Name	DNA (cytosine-5)-methyltransferase 3A
UniProt Gene Name	DNMT3A
UniProt Synonym Gene Names	Dnmt3a; DNA MTase HsaIIIA; M.HsaIIIA

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://www.aaabiotech.com/dnmt3a-recombinant-protein-sf9-methyltransferase-assay/72980>