

DNMT3B recombinant protein

DNMT3B, Active

CATALOG # AAA72978	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
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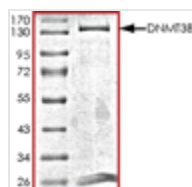
PRODUCT SYNONYMS

DNMT3B; Active; DNMT3B recombinant protein

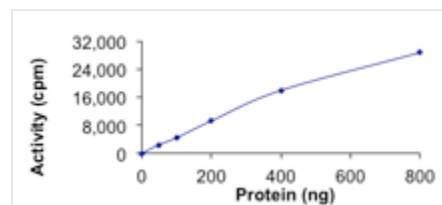
PRODUCT SPECIFICATIONS

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	2620
Applicable Applications for DNMT3B 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 DNMT3B recombinant protein	Description: Recombinant full-length human DNMT3B was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: DNMT3B or DNA (cytosine-5-)-methyltransferase 3 beta encodes a DNA methyltransferase which is thought to function in de novo methylation, rather than maintenance methylation. DNMT3B can methylate unmethylated and hemimethylated DNA with equal efficiencies (1). DNMT3B localizes primarily to the nucleus and its expression is developmentally regulated and is required for genome wide de novo methylation and is essential for mammalian development (2). Mutations in DNMT3B cause the immunodeficiency-centromeric instability-facial anomalies (ICF) syndrome.
Product Categories/Family for DNMT3B 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 #	108752171
NCBI GeneID	1789
Molecular Weight	~138 kDa
NCBI Official Full Name	Synthetic construct Homo sapiens clone IMAGE:40080753, MGC:133466 DNMT3B protein (DNMT3B) mRNA, encodes complete protein
NCBI Official Synonym Full Names	DNA methyltransferase 3 beta
NCBI Official Symbol	DNMT3B
NCBI Official Synonym Symbols	ICF; ICF1; M.HsaIIIB
NCBI Protein Information	DNA (cytosine-5)-methyltransferase 3B
UniProt Protein Name	DNA (cytosine-5)-methyltransferase 3B
UniProt Gene Name	DNMT3B
UniProt Synonym Gene Names	Dnmt3b; DNA MTase HsaIIIB; M.HsaIIIB

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/dnmt3b-recombinant-protein-sf9-insect-cells-using-baculovirus-methyltransferase-assay/72978>