

Datasheet for ABIN2719617

DNMT3A Protein (Transcript Variant 3) (Myc-DYKDDDDK Tag)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	20 µg
Target:	DNMT3A
Protein Characteristics:	Transcript Variant 3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This DNMT3A protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Functional Studies (Func), Protein Interaction (PI), Standard (STD)

Product Details

Specificity:	Optimal preservation of protein structure, post-translational modifications and functions.
Characteristics:	<ul style="list-style-type: none">• Recombinant human DNMT3A (transcript variant 3) protein expressed in HEK293 cells.• Produced with end-sequenced ORF clone• Tested for bioactivity.
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Biological Activity Comment:	DNMT3A activity verified in a biochemical assay; DNMT3A activity verified in a biochemical assay; DNMT3A activity verified in a biochemical assay;

Target Details

Target:	DNMT3A
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Target Details

Alternative Name:	Dnmt3a (DNMT3A Products)
Background:	CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a DNA methyltransferase that is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes to the cytoplasm and nucleus and its expression is developmentally regulated.
Molecular Weight:	101.7 kDa
NCBI Accession:	NP_072046

Application Details

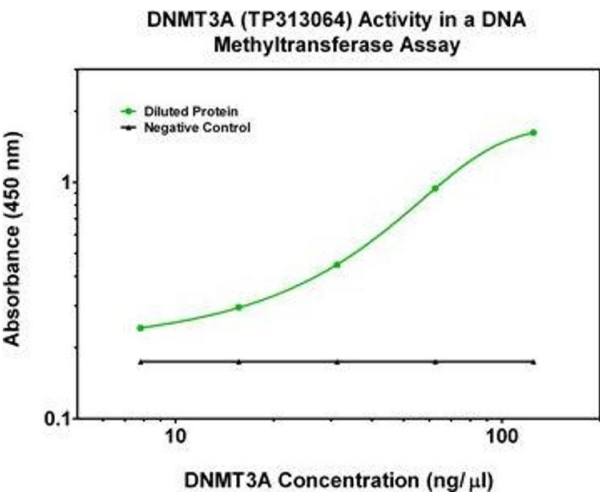
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays Protein-protein interaction In vitro biochemical assays and cell-based functional assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	> 50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

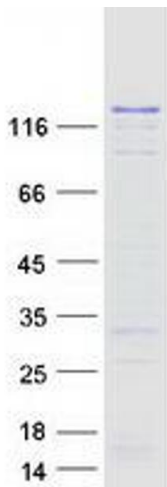
Publications

Product cited in:	Cree, Fredericks, Miller, Pearce, Filichev, Fee, Kennedy: "DNA G-quadruplexes show strong interaction with DNA methyltransferases in vitro." in: FEBS letters , Vol. 590, Issue 17, pp. 2870-83, (2016) (PubMed).
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Activity Assay

Image 1. Bioactivity measured with Activity Assay



Western Blotting

Image 2. Validation with Western Blot