Datasheet for ABIN5712013

DNMT3A Protein (AA 680-902, partial) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	DNMT3A
Protein Characteristics:	AA 680-902, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DNMT3A protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	KIMYVGDVRS VTQKHIQEWG PFDLVIGGSP CNDLSIVNPA RKGLYEGTGR LFFEFYRLLH DARPKEGDDR PFFWLFENVV AMGVSDKRDI SRFLESNPVM IDAKEVSAAH RARYFWGNLP GMNRPLASTV NDKLELQECL EHGRIAKFSK VRTITTRSNS IKQGKDQHFP VFMNEKEDIL WCTEMERVFG FPVHYTDVSN MSRLARQRLL GRSWSVPVIR HLF
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	DNMT3A
Alternative Name:	DNM3A (DNMT3A Products)
Background:	Required for genome-wide de novo methylation and is essential for the establishment of DNA

Target Details

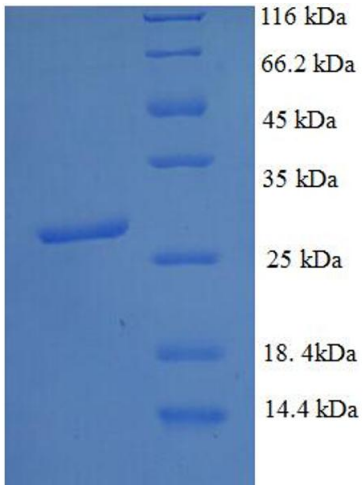
	methylation patterns during development. DNA methylation is coordinated with methylation of histones. It modifies DNA in a non-processive manner and also methylates non-CpG sites. May preferentially methylate DNA linker between 2 nucleosomal cores and is inhibited by histone H1. Plays a role in paternal and maternal imprinting. Required for methylation of most imprinted loci in germ cells. Acts as a transcriptional corepressor for ZBTB18. Recruited to trimethylated 'Lys-36' of histone H3 (H3K36me3) sites. Can actively repress transcription through the recruitment of HDAC activity.
Molecular Weight:	29.9 kDa
UniProt:	Q9Y6K1

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.