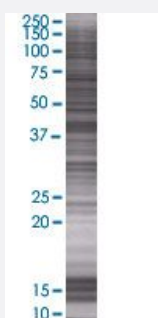


DNMT3L 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00029947-T01

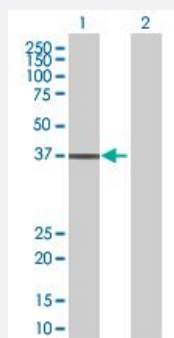
Size 100 uL

Applications



SDS-PAGE Gel

DNMT3L transfected lysate.



Western Blot

Lane 1: DNMT3L transfected lysate (42.57 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-DNMT3L full-length

Host Human

Theoretical MW (kDa) 42.57

Quality Control Testing Transient overexpression cell lysate was tested with Anti-DNMT3L antibody ([H00029947-B01](#)) by Western Blots.
SDS-PAGE Gel
DNMT3L transfected lysate.
Western Blot
Lane 1: DNMT3L transfected lysate (42.57 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — DNMT3L

Entrez GeneID[29947](#)**GeneBank Accession#**[BC002560.2](#)**Protein Accession#**[AAH02560.1](#)**Gene Name**

DNMT3L

Gene Alias

MGC1090

Gene Description

DNA (cytosine-5-)-methyltransferase 3-like

Omim ID[606588](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 nuclear protein with similarity to DNA methyltransferases. This protein is not thought to function as a DNA methyltransferase as it does not contain the amino acid residues necessary for methyltransferase activity. However, this protein does stimulate de novo methylation by DNA cytosine methyltransferase 3 alpha and it is thought to be required for the establishment of maternal genomic imprints. This protein also mediates transcriptional repression through interaction with histone deacetylase 1. Alternative splicing results in two transcript variants. An additional splice variant has been described but its biological validity has not been determined. [provided by RefSeq]

Other Designations

cytosine-5-methyltransferase 3-like protein|human cytosine-5-methyltransferase 3-like protein

Pathway

- [Cysteine and methionine metabolism](#)

- [Metabolic pathways](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)