

Product information



DNMT3L, 1-387aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2634

Full name: DNA (cytosine-5)-methyltransferase 3-like isoform

1NCBI Accession No.: NP_037501

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

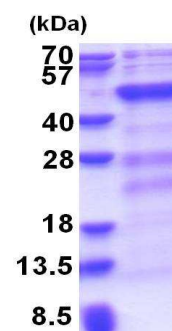
Description: DNA (cytosine-5)-methyltransferase 3-like isoform, also known as DNMT3L, is a 387 amino acid protein that contains one ADD-type zinc finger and is a member of the DNMT family. Localized to the nucleus and expressed at low levels in thymus, testis and ovary, DNMT3L does not exhibit DNA methyltransferase activity, but is able to stimulate de novo methylation by DNMT3 and is thought to play a key role in the establishment of genomic imprints. Recombinant human DNMT3L protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

Molecular Weight: 46.3 kDa (412aa) confirmed by MALDI-TOF

Purity: > 80% by SDS - PAGE

Concentration: 0.25 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSEFMAAIP ALDPEAEPSM DVILVGSSEL SSSVSPGTGR DLIAYEVKAN QRNIEDICIC CGSLQVHTQH
PLFEGGICAP CKDKFLDALF LYDDDGYQSY CSICCSGETL LICGNPDCTR CYCFECVDSL VPGTSGKVH AMSNWVCYLQ LPSSRSGLLQ
RRRKWRSQLK AFYDRESENP LEMFETVPVW RRQPVRVLSL FEDIKKELTS LGFLESGSDP GQLKHVVVDVT DTVRKDVEEV GPFDLVYGAT
PPLGHTCDRP PSWYLFQFHR LLQYARPKPG SPRPFFWMFV DNLVLNKEDL DVASRFLEME PVTIPDVHGG SLQNAVVRVWS NIPAIRSSRH
WALVSEEEELS LLAQNKQSSK LAAKWPTKLV KNCFLPLREY FKYFSTELTS SL

General references:

Yoder J A., *et al.* (1997) *J Mol Biol.* 270: 385-395.

Suetake I., *et al.* (2006) *J Biochem* 1405: 553-559.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com