

DNMT3L, 1-386aa, Human, His tag, E.coli

Cat.NO.: TP01910

3th Edition

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

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSEFMAAIPALDPEAEPSMDVILVGSSSELSSSVSPGTGRDLIAYEVKANQRNIED
ICICCGSLQVHTQHPLFEGGICAPCKDKFLDALFLYDDDGYSYCSICCSGETLLICGNPDCTRCYCFECVDSLVP
GTSGKVHAMSNNWVCYLCLPSSRSGLLQRRRKWRSQKAFYDRESENPLEMFETVPVWRRQPVRLSLFEDIKKE
LTSLGFLSGSDPGQLKHVVDVTDTVRKDVEEWGPFDLVYGATPPLGHTCDRPPSWYLFQFHRLLQYARPKPGSP
RPFFWMFVDNLVLNKEDLDVASRFLEMEPVITPDVHGGSLQNAVRVWSNIPAIRSSRHWALVSEEELSLLAQNKQS
SKLAAKWPTKLVKNCFLPLREYFKYFSTELTSSL

Purity: > 95% by HPLC

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

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.