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DNMT3L, 1-387aa, Human, His tag, E.coli

产品货号: TP01911

第三版

别名: DNA (cytosine-5)-methyltransferase 3-like isoform 2, DNA (cytosine-5-)-methyltransferase 3-like

描述: CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. DNMT3L is a nuclear protein with similarity to DNA methyltransferases, but is not thought to function as a DNA methyltransferase as it does not contain the amino acid residues necessary for methyltransferase activity. However, it does stimulate de novo methylation by DNA cytosine methyltransferase 3 alpha and is thought to be required for the establishment of maternal genomic imprints. It also mediates transcriptional repression through interaction with histone deacetylase 1. Recombinant human DNMT3L protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

分子量: 46.2kDa (411aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMGSEFMAAIPALDPEAEPMDVILVGSSELSSSVSPGTGRDLIAYEVKANQRNIEDICICCG
SLQVHTQHPLFEGGICAPCKDKFLDALFLYDDDGYQSYCSICCSGETLLICGNPDCTRCYCFECVDSL VGPGTSGKVHAM
SNWVCYLCLPSSRSGLLQRRRKWRSQKAFYDRESENPLEMFETVPVWRRQPVRVLSLFEDIKKELTSLGFLESGSDPGQLK
HVVDVTDTVRKDVEEWGPFDLVYGATPPLGHTCDRPPSWYLFQFHRLQLYARPKGSPRPFWMFVDNLVLNKEDLDV
ASRFLEMEPVTIPDVHGGSLQNAVRVWSNIPAIRSRHWALVSEELSLLAQNKQSSKLAAKWPTKLVKNCFLPLREYFKYFS
TELTSSL

纯度: > 95% by HPLC

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

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.