

## Recombinant Human DNMT3L, His-tagged

DNMT3L-203H Human

Lot. No. (See product label)

### Specification

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

**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.

**Source** E.coli

**Species** Human

**Tag** His-tag

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

**Molecular Mass** 46.3 kDa (412aa) confirmed by MALDI-TOF

**Protein length** 1-386aa

**AA Sequence**  
 MGSSHHHHHH SSSLVPRGSH MGSEFMAAIP ALDPEAEPSM DVILVGSSSEL SSSVSPGTGR  
 DLIAYEVKAN QRNIEDICIC CGSLQVHTQH PLFEGGICAP CKDKFLDALF LYDDDDGYQSY  
 CSICCSGETL LICGNPDCTR CYCFECVDSL VGPGTSGKVH AMSNWVCYLC LPSSRSGLLQ  
 RRRKWRSQLK AFYDRESENP LEMFETVPVW RRQPVRVLSL FEDIKKELTS LGFLESGSDP  
 GQLKHVVDVT DTVRKDVEEW GPFDLVYGAT PPLGHTCDRP PSWYLFQFHR LLQYARPKPG  
 SPRPFFWMFV DNLVLNKEDL DVASRFLEME PVTIPDVHGG SLQNAVRVWS NIPAIRSSRH  
 WALVSEEELS LLAQNKQSSK LAAKWPTKLV KNCFLPLREY FKYFSTELTS SL

**Purity** >80% by SDS - PAGE

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

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

### Gene Information

**Gene Name** [DNMT3L DNA \(cytosine-5-\)-methyltransferase 3-like \[ Homo sapiens \]](#)

**Official Symbol** DNMT3L

**Synonyms** DNMT3L; DNA (cytosine-5-)-methyltransferase 3-like; DNA (cytosine-5)-methyltransferase 3-like;

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cytosine 5 methyltransferase 3 like protein; human cytosine 5 methyltransferase 3 like protein; MGC1090; cytosine-5-methyltransferase 3-like protein; human cytosine-5-methyltransferase 3-like protein;

<b>Gene ID</b>	<a href="#">29947</a>
<b>mRNA Refseq</b>	<a href="#">NM_013369</a>
<b>Protein Refseq</b>	<a href="#">NP_037501</a>
<b>MIM</b>	<a href="#">606588</a>
<b>UniProt ID</b>	<a href="#">Q9UJW3</a>
<b>Chromosome Location</b>	21q22.3
<b>Pathway</b>	Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Methionine degradation, organism-specific biosystem; Methionine degradation, conserved biosystem;
<b>Function</b>	enzyme activator activity; enzyme binding; metal ion binding; protein binding;

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