

# Recombinant Human DNMT3L

Catalog No: #GP10368



Package Size: #GP10368-1 100ug

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## Description

Product Name	Recombinant Human DNMT3L
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 300 amino acids of human DNA (cytosine-5-)-methyltransferase 3-like
Target Name	DNA (cytosine-5-)-methyltransferase 3-like
Accession No.	Swissprot:Q9UJW3Gene Accession:BC002560
Uniprot	Q9UJW3
GeneID	29947;
Storage	-20~-80°C, pH 7.6 PBS

## Background

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, 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. This protein also mediates transcriptional repression through interaction with histone deacetylase 1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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