

Recombinant Mouse Dnmt3b Protein, Myc/DDK-tagged

Cat. No. Dnmt3b-2622M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length DNA methyltransferase 3B (Dnmt3b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This is one of two related genes encoding de novo DNA methyltransferases, which are responsible for the establishment of DNA methylation patterns in embryos. Loss of function of this gene results in severe developmental defects and loss of viability. Mutation of the related gene in humans causes immunodeficiency-centromeric instability-facial anomalies (ICF) syndrome. There is a pseudogene for this gene located adjacent to this gene in the same region of chromosome 2. Alternatively spliced transcript variants encoding multiple isoforms have been observed.
Molecular Mass	97.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Dnmt3b DNA methyltransferase 3B [<i>Mus musculus</i> (house mouse)]
Official Symbol	Dnmt3b
Synonyms	DNMT3B; DNA methyltransferase 3B; DNA (cytosine-5)-methyltransferase 3B; m.MmulIIB; DNA MTase MmulIIB; DNA methyltransferase MmulIIB; MGC124407
Gene ID	13436
mRNA Refseq	NM_001003961
Protein Refseq	NP_001003961
UniProt ID	O88509

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