

Recombinant Full Length Mouse Dnmt3a Protein, Flag-tagged

Cat. No. Dnmt3a-03MFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mouse DNA methyltransferase 3A (Dnmt3a), fused with C-terminal Flag tag, was expressed in mammalian cells.
Species	Mouse
Source	Mammalian Cells
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 causes developmental defects in multiple different organ systems. There is a pseudogene for this gene located on chromosome 3. Alternatively spliced transcript variants encoding multiple isoforms have been observed.
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.
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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Full Length Full L.**GENE INFORMATION****Gene Name** [Dnmt3a DNA methyltransferase 3A \[Mus musculus \(house mouse\) \]](#)**Official Symbol** [Dnmt3a](#)**Synonyms** Dnmt3a; DNA methyltransferase 3A; MmullIA; DNA (cytosine-5)-methyltransferase 3A; DNA MTase MmullIA; DNA methyltransferase MmullIA; cysteine methyltransferase DNMT3A; EC 2.1.1.37**Gene ID** [13435](#)**mRNA Refseq** [NM_007872](#)**Protein Refseq** [NP_031898](#)**UniProt ID** [O88508](#) Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA