

Recombinant Human DNMT3A protein, GST-tagged

Cat. No. DNMT3A-73H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNMT3A protein, fused with N-terminal GST tag, was expressed in insect cell.
Species	Human
Source	Insect Cells
ProteinLength	2-912
Description	DNA (cytosine-5)-methyltransferase 3a (DNMT3a) is required for de novo DNA methylation and methylates at both CpG and non-CpG sites.
Form	50 mM Tris/HCl pH 8.0, 125 mM NaCl, 3 mM DTT, 10% glycerol (v/v).
Molecular Mass	127.7 kDa
Purity	>80% by SDS-PAGE
Storage	Store at -80°C. Thaw quickly and store on ice before use. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	DNMT3A DNA (cytosine-5-)-methyltransferase 3 alpha [Homo sapiens]
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Official Symbol	DNMT3A
Synonyms	DNMT3A; DNA (cytosine-5-)-methyltransferase 3 alpha; DNA (cytosine-5)-methyltransferase 3A; DNA MTase HsaIIIA; DNA cytosine methyltransferase 3A2; DNMT3A2; M.HsaIIIA;
Gene ID	1788
mRNA Refseq	NM_022552
Protein Refseq	NP_072046
MIM	602769
UniProt ID	Q9Y6K1
Chromosome Location	2p23
Pathway	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, conserv
Function	DNA (cytosine-5-)-methyltransferase activity; DNA (cytosine-5-)-methyltransferase activity, acting on CpG substrates; DNA binding; chromatin binding; metal ion binding; methyltransferase activity; protein binding; transferase activity; unmethylated CpG bi

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