

Recombinant Mouse Smyd3 Protein, Myc/DDK-tagged

Cat. No. Smyd3-5987M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length SET and MYND domain containing 3 (Smyd3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Histone methyltransferase. Specifically methylates 'Lys-4' of histone H3, inducing di- and tri-methylation, but not monomethylation. Also methylates 'Lys-5' of histone H4. Plays an important role in transcriptional activation as a member of an RNA polymerase complex. Binds DNA containing 5'-CCCTCC-3' or 5'-GAGGGG-3' sequences.
Molecular Mass	49.1 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Smyd3 SET and MYND domain containing 3 [Mus musculus (house mouse)]
Official Symbol	Smyd3
Synonyms	SMYD3; SET and MYND domain containing 3; SET and MYND domain-containing protein 3; zinc finger, MYND domain containing 1; zinc finger MYND domain-containing protein 1; Zmynd1; 2410008A19Rik
Gene ID	69726
mRNA Refseq	NM_027188
Protein Refseq	NP_081464
UniProt ID	Q9CWR2

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