

Recombinant Human SMYD1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. SMYD1-076H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SMYD1 MS Standard C13 and N15-labeled recombinant protein (NP_938015) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Methylates histone H3 at 'Lys-4' (H3K4me), seems able to perform both mono-, di-, and trimethylation. Acts as a transcriptional repressor. Essential for cardiomyocyte differentiation and cardiac morphogenesis.
Molecular Mass	56.6 kDa
AA Sequence	MTIGRMENVEVFTAEGKGRGLKATKEFWAADIIFAERAYSAVVFDSLNVFVCHTCFK RQEKLRHRCGQCKFAHYCDRTCQKDAWLNHKNECSAIKRYGKVPNENIRLAARIMW RVEREGTGLTEGCLVSVDDLQNHVEHFGEEEQKDLRVDVDTFLQYWPPQSQQFSM QYISHIFGVINCNGFTLSQDQRLQAVGVGIFPNLGLVNHDCWPNCTVIFNNGNHEAV KSMFHTQMRIELRALGKISEGEELTVSYIDFLNVSEERKRQLKKQYYFDCTCEHCQK KLKDDLFLGVKDNPKPSQEVVKEMIQFSKDTLEKIDKARSEGLYHEVVKLCRECLEK QEPVFADTNIYMLRMLSIVSEVLSYLQAFEEASFYARRMVDGYMKLYHPNNAQLGM AVMRAGLTNWHAGNIEVGHGMICKAYAILLVTHGPSHPITKDLEAMRVQTEMLRMF RQNEFMYYKMREAALNNQPMQVMAEPSNEPSPALFHKKQTRTRPLEQKLISEEDLA ANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

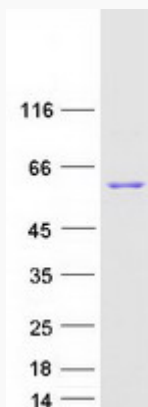
GENE INFORMATION

Gene Name	SMYD1 SET and MYND domain containing 1 [Homo sapiens (human)]
Official Symbol	SMYD1
Synonyms	SMYD1; SET and MYND domain containing 1; BOP; KMT3D; ZMYND18; ZMYND22; histone-lysine N-methyltransferase SMYD1; CD8 beta opposite; SET and MYND domain-containing protein 1; zinc finger, MYND domain containing 18; EC 2.1.1.354
Gene ID	150572
mRNA Refseq	NM_198274
Protein Refseq	NP_938015
MIM	606846
UniProt ID	Q8NB12

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SDS-PAGE

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