

# 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

MTIGRMENVEVFTAEGKGRGLKATKEFWAADIIFAERAYSAVVFDLNVFVCHTCFK  
RQEKLHRCGQCKFAHYCDRTCQKDAWLNHKNECSAIKRYGKVPNENIRLAARIMW  
RVEREGTGLTEGCLVSVDDLQNHVEHFGEQQKDLRVDVDTFLQYWPPQSQQFSM  
QYISHIFGVINCNGFTLSQDQGLQAVGVGIFPNLGLVNHDCWPNCTVIFNNGNHEAV  
KSMFHTQMRIELRALGKISEGEELTVSYIDFLNVSEERKRQLKKQYYFDCTCEHCQK  
KLKDDLFLGVKDNPKPSQEVVKEMIQFSKDTLEKIDKARSEGLYHEVVKLCRECLEK  
QEPVFADTNIYMLRMLSIVSEVLSYLQAFEEASFYARRMVDGYMKLYHPNNAQLGM  
AVMRAGLTNWHAGNIEVGHGMICKAYAILLVTHGSPHPITKDLEAMRVQTEMLRMF  
RQNEFMYYKMREAALNNQPMQVMAEPSNEPSPALFHKKQTRTRPLEQKLISEEDLA  
ANDILDYKDDDDKV

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

<b>Gene Name</b>	SMYD1 SET and MYND domain containing 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SMYD1
<b>Synonyms</b>	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
<b>Gene ID</b>	150572
<b>mRNA Refseq</b>	NM_198274
<b>Protein Refseq</b>	NP_938015
<b>MIM</b>	606846
<b>UniProt ID</b>	Q8NB12

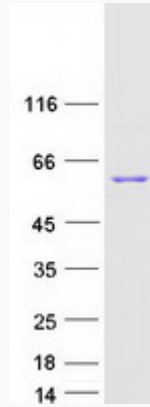
 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA