

Recombinant Human SMYD4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SMYD4-3860H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SMYD4 MS Standard C13 and N15-labeled recombinant protein (NP_443160) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	SMYD4 (SET And MYND Domain Containing 4) is a Protein Coding gene. Diseases associated with SMYD4 include Chromosome 17P13.3, Centromeric, Duplication Syndrome. Among its related pathways are PKMTs methylate histone lysines. Gene Ontology (GO) annotations related to this gene include methyltransferase activity. An important paralog of this gene is SMYD1.
Molecular Mass	89.2 kDa
AA Sequence	MDLPVDEWKSYPYLLQKWASLPTSVQVTISTAETLRDIFLHSSSLQPEDELFLKRLSKGYLVGKDSADAPLFYREEGNKKFQEKDYTGAAVLYSKGVSHSRPNTEDMSLCHANRS AALFHLGQYETCLKDINIAQTHGYPERLQPKIMLRKAECVLALGRLQEASQTISDLERNFTATPALADVLPQTLQRNLHRLKMKMQEKDSLTFPAALAKTLEDAALREENEQLSNASSSIGLCVDPLKGRCLVATKDILPGELLVQEDAFVSVLNPGEPPPHHGLDSKW DTRVTNGDLYCHRLKHTLATVPCDGCSYAKYCSQECLQQVWELYHRTECPLGGLLLTLGVFCHIALRLTLLVGFEDVRKIITKLCDKISNKDICLPESNNQVKTLNYGLGESEKNGNIVETPIPGCDINGKYENNYNAVFNLLPHTENHSPEHKFLCALCVSALCRQLEAAS

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LQAIPTERIVNSSQLKAAVTPELCPDVTIWGVAMLRHMLQLQCNAQAMTTIQHTGPK
 GSIVTDSRQVRLATGIFPVISLLNHSCSPNTSVSFISTVATIRASQRIRKGQEILHCYGP
 HKSRMGVAERQQKLRSQYFFDCACPACQTEAHRMAAGPRWEAFCCNSCGAPMQ
 GDDVLRGSRSCAESAVSRDHLVSRDLQDLQQQVRVAQKLLRDGELERAVQRLSGC
 QRDAESFLWAEHAVVGEIADGLARACAALGDWQKSATHLQSRSLCVVEVRHGPSSV
 EMGHELFLKLAQIFFNGFAVPEALSTIQKAEVLSLHCGPWDDEIQELQKMKSCLLDL
 PPTPVGPALTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 [SMYD4 SET and MYND domain containing 4 \[Homo sapiens \(human\) \]](#)

Official Symbol [SMYD4](#)

Synonyms SMYD4; SET and MYND domain containing 4; SET and MYND domain-containing protein 4; KIAA1936; ZMYND21;

Gene ID [114826](#)

mRNA Refseq [NM_052928](#)

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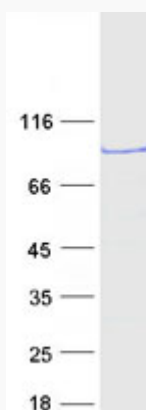
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Protein Refseq NP_443160

UniProt ID Q8IYR2

SDS-PAGE



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