

Active Recombinant Human SMYD2 Protein, His/SUMO-tagged

Cat. No. SMYD2-019H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMYD2 protein (2-433) with a N-terminal His-SUMO-tag was expressed in E.coli
Species	Human
Source	E.coli
ProteinLength	2-433
Description	SET domain-containing proteins, such as SMYD2, catalyze lysine methylation.
Bio-activity	Activity was demonstrated using a radiometric assay with [3 H]-S-adenosylmethionine incubated with nucleosomes at room temperature overnight in 50 mM Tris-HCl, pH 8.0, containing 150 mM sodium chloride, 3 mM MgCl ₂ , and 5% glycerol. Methylated products were separated by SDS-PAGE and visualized by exposure on autoradiographic film.
Molecular Mass	62.7 kDa
Purity	≥80% estimated by SDS-PAGE
Stability	≥ 6 months
Storage	-80 centigrade

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Storage Buffer	50 mM Tris-HCl, pH 8.5, containing 400 mM sodium chloride, 1 mM DTT, and 20% glycerol
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Shipping	Dry ice in continental US, may vary elsewhere.
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GENE INFORMATION

Gene Name	SMYD2 SET and MYND domain containing 2 [Homo sapiens (human)]
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Official Symbol	SMYD2
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Synonyms	SMYD2; SET and MYND domain containing 2; KMT3C; HSKM-B; ZMYND14; N-lysine methyltransferase SMYD2; SET and MYND domain-containing protein 2; histone methyltransferase SMYD2; lysine N-methyltransferase 3C; zinc finger, MYND domain containing 14; EC 2.1.1.354
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Gene ID	56950
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mRNA Refseq	NM_020197
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Protein Refseq	NP_064582
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MIM	610663
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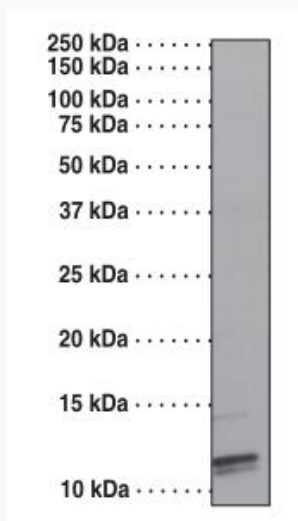
UniProt ID	Q9NRG4
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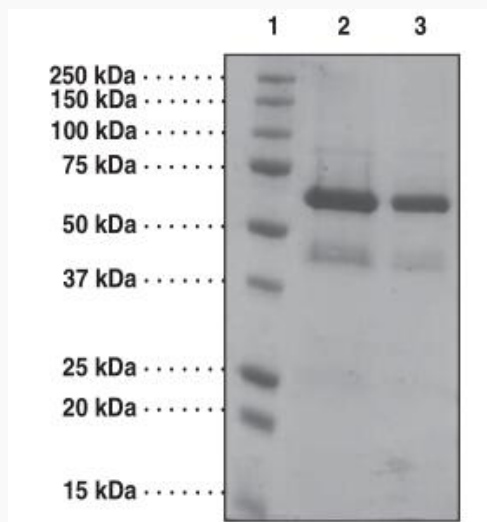
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SDS-PAGE Analysis of SMYD2



Autoradiograph of nucleosomes separated on SDS-PAGE following reaction with [^{3} H]-SAM and 2 μ M SMYD2.

SDS-PAGE Analysis of SMYD2



Lane 1: MW Markers

Lane 2: SMYD2 (4 g)

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Lane 3: SMYD2 (2 g)

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