

Recombinant Human SET And MYND Domain Containing 3, GST-tagged

Cat. No. SMYD3-1634H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human SMYD3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	SMYD3 (SET and MYND domain containing 3) is a histone methyltransferase that plays a role in transcriptional regulation as a member of an RNA polymerase complex. The introduction of SMYD3 enhanced cell growth and the histone methyltransferase activity of SMYD3 involved in the proliferation of cancer cells. A variable number of tandems repeat polymorphism in an E2F-1 binding element in the 5-prime flanking region of SMYD3 is a risk factor for human cancers.
Applications	Western Blot
Molecular Weight	71 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCL, pH 7.5, 150 mM NaCl, 0.1 mM PMSF, 0.25 mM DTT, 10 mM glutathione, 0.1 mM EDTA, 25 % glycerol.
Purity	> 90 %

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Concentration	0.1 ug/ul
Sequences	Full-length
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	SMYD3 SET and MYND domain containing 3 [Homo sapiens]
Official Symbol	SMYD3
Synonyms	SMYD3; SET and MYND domain containing 3; KMT3E; ZMYND1; ZNFN3A1; FLJ21080; MGC104324; bA74P14.1; bA74P14.1 (novel protein); zinc finger, MYND domain containing 1; zinc finger protein, subfamily 3A (MYND domain containing), 1; EC 2.1.1.43; Zinc finger MYND domain-containing protein 1
Gene ID	64754
mRNA Refseq	NM_001167740
Protein Refseq	NP_001161212
MIM	608783
UniProt ID	Q9H7B4
Chromosome Location	1q44

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Function

histone-lysine N-methyltransferase activity; metal ion binding; methyltransferase activity; protein binding; transferase activity; zinc ion binding

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