Recombinant Human SMYD3 protein, GST-tagged

Cat. No. SMYD3-263H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMYD3 fused with GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	SMYD3 is a protein lysine methyltransferase that has been shown to catalyze mono-, di-, and tri-methylation of histone H4 at lysine 5 by multiple independent approaches, including mass spectrometry. SMYD3 levels are up-regulated in a large number of tumors, including liver, breast and rectal carcinomas. SMYD3 overexpression promotes the proliferation of cancer cells, while its depletion slows expansion.
Form	Recombinant GST-SMYD3 (1 μg/μl) in 100mM Tris pH 8.0, 10 mM glutathione and 10% glycerol.
Molecular Mass	68 kDa
Applications	Recombinant SMYD3, human is useful for histone H4 methylation experiments, enzyme kinetics and inhibitor screening. Use of 1-3 μg SMYD3 per reaction with recombinant histone H4 as a substrate is recommended.
Storage	Stable for six months at -80 centigrade from date of receipt. For best results, aliquot and avoid multiple freeze/thaws.

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Concentration	1 g/μ

GENE INFORMATION

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

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