Recombinant Human SMYD2 protein, GST-tagged

Cat. No. SMYD2-262H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMYD2 fused with GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	SMYD2 is a lysine mono-methyltransferase that has been shown to have activity on histone H3, p53 (Lys370), pRB (Lys380) and HSP90 (Lys616). The SMYD2 locus is amplified in lung carcinoma, serous ovarian carcinoma, and pancreatic ductal adenocarcinoma. SMYD2 expression is linked to a variety of cancers. Elevated levels of SMYD2 in esophageal squamous cell carcinoma patients are correlated with lower rates of survival.
Form	In 100mM Tris pH 8.0, 10 mM glutathione and 10% glycerol.
Molecular Mass	68 kDa
Applications	Recombinant SMYD2, human is useful for histone H3 methylation experiments, enzyme kinetics and inhibitor screening. Use of 1-3 μg SMYD2 per reaction with recombinant histone H3 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	SMYD2 SET and MYND domain containing 2 [Homo sapiens]
Official Symbol	SMYD2
Synonyms	SMYD2; SET and MYND domain containing 2; N-lysine methyltransferase SMYD2; HSKM B; KMT3C; ZMYND14; lysine N-methyltransferase 3C; histone methyltransferase SMYD2; zinc finger, MYND domain containing 14; SET and MYND domain-containing protein 2; HSKM-B; MGC119305;
Gene ID	56950
mRNA Refseq	NM_020197
Protein Refseq	NP_064582
MIM	610663
UniProt ID	Q9NRG4
Chromosome Location	1q32.3
Pathway	p53 pathway, organism-specific biosystem;

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