

SMYD3 recombinant protein

SMYD3, Active

CATALOG # AAA73133	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
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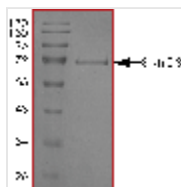
PRODUCT SYNONYMS

SMYD3; Active; SMYD3 recombinant protein

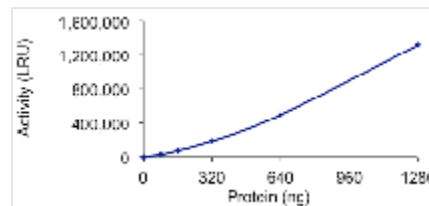
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full length
Sequence Length	1568
Applicable Applications for SMYD3 recombinant protein	Methyltransferase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for SMYD3 recombinant protein	Description: Recombinant full-length human SMYD3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: 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 (1). A variable number of tandem repeat polymorphism in an E2F-1 binding element in the 5-prime flanking region of SMYD3 is a risk factor for human cancers (2).
Product Categories/Family for SMYD3 recombinant protein	Enzymes; Active Methyltransferases

References	1. Hamamoto, R. et.al: SMYD3 encodes a histone methyltransferase involved in the proliferation of cancer cells. Nature Cell Biol. 6: 731-740, 2004. 2. Tsuge, M. et.al: A variable number of tandem repeats polymorphism in an E2F-1 binding element in the 5-prime flanking region of SMYD3 is a risk factor for human cancers. Nature Genet. 37: 1104-1107, 2005.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21410973
NCBI GeneID	64754
Molecular Weight	71 kDa
NCBI Official Full Name	Homo sapiens SET and MYND domain containing 3, mRNA
NCBI Official Synonym Full Names	SET and MYND domain containing 3
NCBI Official Symbol	SMYD3
NCBI Official Synonym Symbols	KMT3E; ZMYND1; ZNFN3A1; bA74P14.1
NCBI Protein Information	histone-lysine N-methyltransferase SMYD3
UniProt Protein Name	Histone-lysine N-methyltransferase SMYD3
UniProt Gene Name	SMYD3
UniProt Synonym Gene Names	ZMYND1; ZNFN3A1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/smyd3-recombinant-protein-sf9-insect-cells-using-baculovirus-methyltransferase-assay/73133>