

SMYD2 recombinant protein

SMYD2 (KMT3C), Active

CATALOG # AAA73132	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
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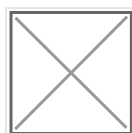
PRODUCT SYNONYMS

SMYD2; SMYD2 (KMT3C); Active; SMYD2 recombinant protein

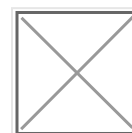
PRODUCT SPECIFICATIONS

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	3845
Applicable Applications for SMYD2 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 SMYD2 recombinant protein	Description: Recombinant full-length human SMYD2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: SMYD2 (also known as SET and MYND domain-containing protein 2) is a member of the SMYD family of protein methyltransferases. SMYD2 is also known as lysine methyltransferase protein 3C (KMT3C). SMYD2 functions to repress transcription by interacting with the Sin3A histone deacetylase complex and performs methylation of Lys36 in histone H3 (1). The exogenous expression of SMYD2 in mouse fibroblasts decreases cell growth. SMYD2 also function as a putative oncogene by methylating p53 and repressing its tumor suppressive function (2).
Product Categories/Family for SMYD2 recombinant protein	Enzymes; Active Methyltransferases

References	1. Brown, M. A. et.al: Identification and characterization of Smyd2: a split SET/MYND domain-containing histone H3 lysine 36-specific methyltransferase that interacts with the Sin3 histone deacetylase complex. Molec. Cancer 5: 26, 2006. 2.Huang, J. et.al: Repression of p53 activity by Smyd2-mediated methylation. Nature 444: 629-632, 2006.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29387398
NCBI GeneID	56950
Molecular Weight	70 kDa
NCBI Official Full Name	Homo sapiens SET and MYND domain containing 2, mRNA
NCBI Official Synonym Full Names	SET and MYND domain containing 2
NCBI Official Symbol	SMYD2
NCBI Official Synonym Symbols	KMT3C; HSKM-B; ZMYND14
NCBI Protein Information	N-lysine methyltransferase SMYD2
UniProt Protein Name	N-lysine methyltransferase SMYD2
UniProt Gene Name	SMYD2
UniProt Synonym Gene Names	KMT3C

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.

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Online datasheet: <https://stage.aaabiotech.com/smyd2-recombinant-protein-sf9-insect-cells-using-baculovirus-methyltransferase-assay/73132>