

SUV39H2 recombinant protein

SUV39H2 (KMT1B), Active

CATALOG # AAA73134	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
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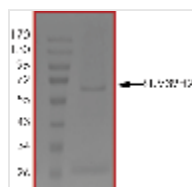
PRODUCT SYNONYMS

SUV39H2; SUV39H2 (KMT1B); Active; SUV39H2 recombinant protein

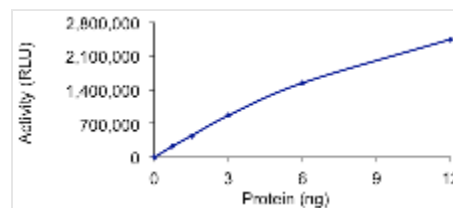
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full length
Sequence Length	3093
Applicable Applications for SUV39H2 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 SUV39H2 recombinant protein	Description: Recombinant full-length human SUV39H2 (KMT1B) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: Homo sapiens suppressor of variegation 3-9 homolog 2 (SUV39H2) is encoded by the SUV39H2 gene and belongs to the histone-lysine methyltransferase family and Suvar3-9 subfamily. It contains an N-terminal chromodomain and a C-terminal SET domain. It trimethylates lysine 9 of histone H3, creating a binding site for the chromo domain of HP1 for epigenetic transcriptional repression. Deregulation of SUV39H2 interferes with mammalian higher-order chromatin organization.
Product Categories/Family for SUV39H2 recombinant protein	Enzymes; Active Methyltransferases

References	1. Rea S, et al: Regulation of chromatin structure by site-specific histone H3 methyltransferases. Nature.10;406 (6796):593-9, 2000. 2. Aagaard L, et al: Functional mammalian homologues of the Drosophila PEV-modifier Su (var)3-9 encode centromere-associated proteins which complex with the hetero-chromatin component M31. EMBO J. 1;18 (7):1923-38, 1999.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33873749
NCBI GeneID	79723
Molecular Weight	67 kDa
NCBI Official Full Name	Homo sapiens suppressor of variegation 3-9 homolog 2 (Drosophila), mRNA
NCBI Official Synonym Full Names	suppressor of variegation 3-9 homolog 2
NCBI Official Symbol	SUV39H2
NCBI Official Synonym Symbols	KMT1B
NCBI Protein Information	histone-lysine N-methyltransferase SUV39H2
UniProt Protein Name	Histone-lysine N-methyltransferase SUV39H2
UniProt Gene Name	SUV39H2
UniProt Synonym Gene Names	KMT1B; H3-K9-HMTase 2; Su(var)3-9 homolog 2

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://www.aaabiotech.com/suv39h2-recombinant-protein-sf9-insect-cells-using-baculovirus-methyltransferase-assay/73134>