

SUV420H1 recombinant protein

SUV420H1 (KMT5B), Active

CATALOG # AAA73136	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
------------------------------	---	--

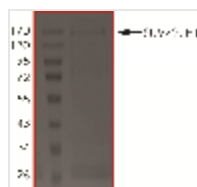
PRODUCT SYNONYMS

SUV420H1; SUV420H1 (KMT5B); Active; SUV420H1 recombinant protein

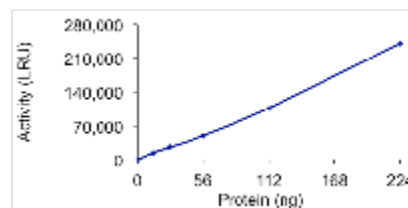
PRODUCT SPECIFICATIONS

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	2771
Applicable Applications for SUV420H1 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 SUV420H1 recombinant protein	Description: Recombinant full-length human SUV420H1 (KMT5B) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: Histone-lysine N-methyltransferase, Suppressor of variegation 4-20 homolog 1 SUV420H1 specifically trimethylates 'Lys-20' of histone H4, which in turn acts as a specific tag for epigenetic transcriptional repression. Located in pericentric heterochromatin regions, and plays a central role in the establishment of constitutive heterochromatin in these regions. Interacts with a family of proteins that display similarity with dual-specificity phosphatases (dsPTases) mediated by its SET domains.
Product Categories/Family for SUV420H1 recombinant protein	Enzymes; Active Methyltransferases

References	1. Tryndyak VP, et al: Loss of DNA methylation and histone H4 lysine 20 trimethylation in human breast cancer cells is associated with aberrant expression of DNA methyl-transferase 1, Suv4-20h2 histone methyltransferase and methyl-binding proteins. Cancer Biol Ther. 5 (1):65-70, 2006. 2. Lai CH, et al: Identification of novel human genes evolutionarily conserved in Caenorhabditis elegans by comparative proteomics. Genome Res. 10 (5):703-13, 2000.
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	73695393
NCBI GeneID	51111
Molecular Weight	160 kDa
NCBI Official Full Name	Homo sapiens suppressor of variegation 4-20 homolog 1 (Drosophila), transcript variant 1, mRNA
NCBI Official Synonym Full Names	lysine methyltransferase 5B
NCBI Official Symbol	KMT5B
NCBI Official Synonym Symbols	CGI85; CGI-85; SUV420H1
NCBI Protein Information	histone-lysine N-methyltransferase KMT5B
UniProt Protein Name	Histone-lysine N-methyltransferase KMT5B
UniProt Gene Name	KMT5B
UniProt Synonym Gene Names	Su(var)4-20 homolog 1; Suv4-20h1

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/kmt5b-recombinant-protein-sf9-insect-cells-using-baculovirus-methyltransferase-assay/73136>