

Product datasheet

Recombinant human SUV420h1 protein (Active) ab268987

[2 Images](#)

Description

Product name	Recombinant human SUV420h1 protein (Active)
Biological activity	The specific activity of ab268987 was 327 pmol/min/mg in a methyltransferase assay using histone H3 peptide as substrate.
Purity	> 70 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>Q4FZB7</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Molecular weight information	160 kDa by SDS-PAGE
Tags	GST tag N-Terminus
Additional sequence information	BC103498

Specifications

Our **Abpromise guarantee** covers the use of **ab268987** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
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Form	Liquid
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Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.50 Constituents: 0.79% Tris HCl, 0.87% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol (glycerin, glycerine)
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This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Function

Histone methyltransferase that specifically trimethylates 'Lys-20' of histone H4. H4 'Lys-20' trimethylation represents a specific tag for epigenetic transcriptional repression. Mainly functions in pericentric heterochromatin regions, thereby playing a central role in the establishment of constitutive heterochromatin in these regions. KMT5B is targeted to histone H3 via its interaction with RB1 family proteins (RB1, RBL1 and RBL2) (By similarity). Plays a role in myogenesis by regulating the expression of target genes, such as EID3.

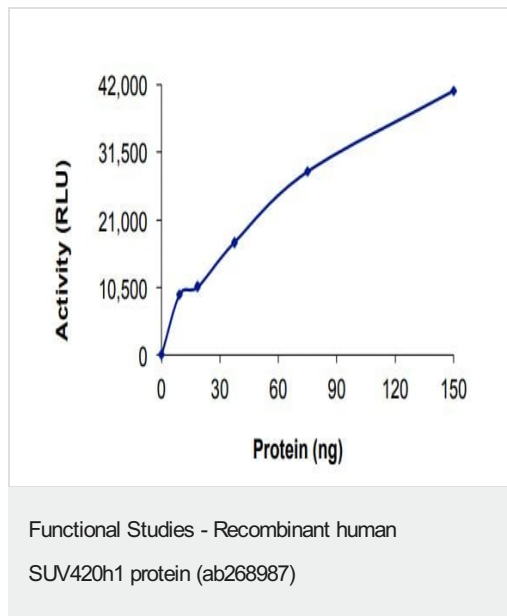
Sequence similarities

Belongs to the class V-like SAM-binding methyltransferase superfamily. Histone-lysine methyltransferase family. Suvar4-20 subfamily.
Contains 1 SET domain.

Cellular localization

Nucleus. Chromosome. Associated with pericentric heterochromatin. CBX1 and CBX5 are required for the localization to pericentric heterochromatin (By similarity).

Images



The specific activity of ab268987 was 327 pmol/min/mg in a methyltransferase assay using histone H3 peptide as substrate.

SDS-PAGE analysis of ab268987.



Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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