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Datasheet for ABIN7317449

**SUV420H2/KMT5C Protein (GST tag,His tag)**

## Overview

Quantity:	50 µg
Target:	SUV420H2/KMT5C (SUV420H2)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SUV420H2/KMT5C protein is labelled with GST tag,His tag.

## Product Details

Purpose:	Recombinant Human SUV420H2 Protein (His & GST Tag)
Sequence:	Gly 2-Leu 280
Characteristics:	A DNA sequence encoding the amino acid sequence (Gly 2-Leu 280) of human SUV420H2 (NP_116090.2) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 80 % as determined by reducing SDS-PAGE.

## Target Details

Target:	SUV420H2/KMT5C (SUV420H2)
Alternative Name:	SUV420H2 ( <a href="#">SUV420H2 Products</a> )
Background:	Background: Histone-lysine N-methyltransferase SUV420H2, also known as Suppressor of variegation 4-20 homolog 2, Su(var)4-20 homolog 2, Lysine N-methyltransferase 5C, SUV420H2 and KMT5C, is nucleus protein which belongs to the histone-lysine methyltransferase family and Suvar4-20 subfamily. SUV420H2 is a histone methyltransferase that specifically

## Target Details

trimethylates 'Lys-20' of histone H4. H4 'Lys-20' trimethylation represents a specific tag for epigenetic transcriptional repression. SUV420H2 mainly functions in pericentric heterochromatin regions, thereby playing a central role in the establishment of constitutive heterochromatin in these regions. SUV420H1 is targeted to histone H3 via its interaction with RB1 family proteins (RB1, RBL1 and RBL2). FRAP experiments reveal that SUV420H2 is strongly associated to pericentric heterochromatin. The fraction of SUV420H2 captured and characterized by TAP/MS is a soluble fraction which may be in a stable association with HP1. SUV420H2 may be recruited to heterochromatin in association with HP1, and stably maintained at its heterochromatin sites in an HP1-independent fashion.

Synonym: KMT5C

Molecular Weight: 60 kDa

NCBI Accession: [NP\\_116090](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 50 mM Tris, 0.5M NaCl, 30 % Glycerol, 0.05 % Tween, pH 8.0

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.