

Recombinant Human SUV420H1, GST-tagged

Cat. No. SUV420H1-473H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SUV420H1, amino acids 2-387 with N-terminal GST tag expressed in <i>E. coli</i> expression system. MW = 70kDa.
Species	Human
Source	E.coli
Protein Length	2-387 a.a.
Description	Histone-lysine N-methyltransferase SUV420H1 is an enzyme that in humans is encoded by the SUV420H1 gene. This gene encodes a protein that contains a SET domain. SET domains appear to be protein-protein interaction domains that mediate interactions with a family of proteins that display similarity with dual-specificity phosphatases (dsPTPases). The function of this gene has not been determined. Two alternatively spliced transcript variants have been found for this gene.
Purity	>20%.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Formulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 30% glycerol, and 3 mM DTT.
Stability	>6 months at –80°C.

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GENE INFORMATION

Gene Name	SUV420H1 suppressor of variegation 4-20 homolog 1 (Drosophila) [Homo sapiens]
Synonyms	SUV420H1; suppressor of variegation 4-20 homolog 1 (Drosophila); CGI85; KMT5B; CGI-85; MGC703; MGC21161; MGC118906; MGC118909; OTTHUMP00000197482; OTTHUMP00000197488; C630029K18Rik; EC 2.1.1.43
Gene ID	51111
mRNA Refseq	NM_016028
Protein Refseq	NP_057112
MIM	610881
UniProt ID	Q4FZB7
Chromosome Location	11q13.2
Pathway	Lysine degradation
Function	histone methyltransferase activity (H4-K20 specific); protein binding; transferase activity

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