



# Recombinant Human Histone-lysine N-methyltransferase SUV39H1 (SUV39H1)

<b>Product Code</b>	CSB-YP022972HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O43463
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>MAENLKGCSV CCKSSWNQLQ DLCRLAKLSC PALGISKRNL YDFEVEYLCD            YKKIREQEYY LVKWRGYPDS ESTWEPRQNL KCVRILKQFH KDLERELLRR            HHRSKTPRHL DPSLANYLVQ KAKQRRALRR WEQELNAKRS HLGRITVENE            VDLDGPPRAF VYINEYRVGE GITLNQVAVG CECQDCLWAP TGGCCPGASL            HKFAYNDQGQ VRLRAGLPIY ECNSRCRCGY DCPNRVVQKG IRYDLCIFRT            DDGRGWGVRT LEKIRKNSFV MEYVGEIITS EEAERRGQIY DRQGATYLF            LDYVEDVYTV DAAYYGNISH FVNHSCDPNL QVYNVFDNL DERLPRIAFF            ATRTIRAGEE LTFDYNMQVD PVDMESTRMD SNFGLAGLPG SPKRVRIEC            KCGTESCRKY LF</p>
<b>Source</b>	Yeast
<b>Target Names</b>	SUV39H1
<b>Protein Names</b>	Recommended name: Histone-lysine N-methyltransferase SUV39H1 EC= 2.1.1.43 Alternative name(s): Histone H3-K9 methyltransferase 1 Short name= H3-K9-HMTase 1 Lysine N-methyltransferase 1A Position-effect variegation 3-9 homolog
<b>Expression Region</b>	1-412
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene is a member of the suppressor of variegation 3-9 homolog family and encodes a protein with a chromodomain and a C-terminal SET domain. This nuclear protein moves to the centromeres during mitosis and functions as a histone methyltransferase, methylating Lys-9 of histone H3. Overall, it plays a vital role in heterochromatin organization, chromosome segregation, and mitotic progression.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.