



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

Product Code	CSB-EP022972HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43463
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	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 QVYNVFIDNL DERLPRIAFF ATRTIRAGEE LTFDYNMQVD PVDMESTRMD SNFGLAGLPG SPKKRVRIEC KCGTESCRKY LF
Source	E.coli
Target Names	SUV39H1
Protein Names	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
Expression Region	1-412
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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.