SETD7
Recombinant Human SET7/9 Histone methyltransferase

Catalog No.	CSI15642A CSI15642B	**Quantity:**	100 µg 500 µg

Alternate Names: KMT7, SET7, SET9, SET7/9

Description: Set 7/9 is a histone methyltransferase(HMTase) that transfers methyl groups to Lys4 of histone H3, in complex with S-adenosyl-L-methionine(AdoMet). The methylation of lysine residues of histones plays a critical role in the regulation of chromatin structure and gene expression. Acetylation, phosphorylation and methylation of the amino-terminal tails of histone are thought to be involved in the regulation of chromatin structure and function. The enzymes identified in the methylation of specific lysine residue on histones belong to the SET family with just one exception. Set7/9, unlike most other SET proteins, is exclusively a mono-methylase.

Concentration: 1 mg/ml (determined by Bradford assay)

GeneID: 80854

Protein Accession No: NP_085151

Source: *E. coli*

Molecular Weight: 40.7 kDa (366 aa), confirmed by MALDI-TOF.

Formulation: Liquid. In 50 mM Tris-HCl buffer(pH7.5) 0.2M NaCl, 5mM DTT, 20%glycerol

Purity: > 95% by SDS - PAGE

Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)

Amino Acid Sequence: MDSDDEMVEE AVEGHLDDDG LPHGFCTVTY SSTDRFEGNF VHGEKNGRGK FFFFDGSTLE GYYVDDALQG QGVYTYEDGG VLQGTYVDGE LNGPAQEYDT DGRLIFKGQY kDaNIRHGVCW IYYPDGGSLV GEVNEDGEMT GEKIAYVYPD ERTALYGKFI DGEMIEGKLA TLMSTEEGRP HFELMPGNSV YHFDKSTSSC ISTNALLPDP YESERVYVAE SLISSAGEGL FSKVAVGPNT VMSFYNGVRI THQEVDSRDW ALNGNTLSLD EETVIDVPEP YNHVSKYCAS LGHKANHSFTPNCIYDMFVH PRFGPIKCIR TLRAVEADEE LTVAYGYDHS PPGKSGPEAP EWYQVELKAF QATQQK

Application: SDS-PAGE

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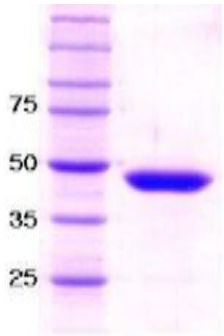
Storage & Stability: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -80°C. **Avoid repeated freezing and thawing cycles.**



10% SDS-PAGE (3ug)

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