32-2808: SETD7 Recombinant Protein

Alternative Name : Histone-lysine N-methyltransferase,H3 lysine-4 specific SET7,EC 2.1.1.43,Histone H3-K4 methyltransferase,H3-K4-HMTase,SET domain-containing protein 7,Set9,SET7/9,SETD7.

Description

Source : Escherichia Coli. SETD7 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 366 amino acids & having a molecular mass of 40.7 kDa. The SETD7 purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	50 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The protein containing 50mM Tris-HCl buffer (pH7.5), 0.2M NaCl, 5mM DTT and 20% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 1-2 weeks. Store, frozen at -20°C for longer periods of time.Please prevent freeze-thaw cycles.
Amino Acid :	MDSDDEMVEE AVEGHLDDDG LPHGFCTVTY SSTDRFEGNF VHGEKNGRGK FFFFDGSTLE GYYVDDALQG QGVYTYEDGG VLQGTYVDGE LNGPAQEYDT DGRLIFKGQY KDNIRHGVCW IYYPDGGSLV GEVNEDGEMT GEKIAYVYPD ERTALYGKFI DGEMIEGKLA TLMSTEEGRP HFELMPGNSV YHFDKSTSSC ISTNALLPDP YESERVYVAE SLISSAGEGL FSKVAVGPNT VMSFYNGVRI THQEVDSRDW ALNGNTLSLD EETVIDVPEP YNHVSKYCAS LGHKANHSFT PNCIYDMFVH PRFGPIKCIR TLRAVEADEE LTVAYGYDHS PPGKSGPEAP EWYQVELKAF QATQQK