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SET7/9 Histone methyltransferase Human, Recombinant, E.coli

产品货号: TP03910

第三版

别名:SET domain-containing protein 7, SETD7, KMT7, SET7, SET9

**描述:**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.

**配方:**Liquid. In 50 mM Tris-HCl buffer (pH 7.5) containing 5 mM DTT, 200 mM NaCl, 20% glycerol

**分子量:**40.7 kDa (366 aa), confirmed by MALDI-TOF

**序列:**

MDSDDDEMVEEAVEGHLDDDGPHGFCTVTVSSTDRFEGNFVHGEKNGRGKFFFFDGGSTLEGYYVDDALQGGGVYTYED  
GGVLQGTYYVDGELNGPAQEYDTDGRLIFKQYKDNIRHGVCWIIYYPDGGSLVGEVNEDGEMTGEKIAYVYPDERTALY  
GKFIDGEMIEGKLATLMSTEEGRPHFELMPGNSVYHFDKSTSSCISTNALLPDPYESERVYVAESLISSAGEGLFSKVAVGPNT  
VMSFYNGVRITHQEVDSDRWALNGNTLSLDEETVIDVPEPYNHVSKEYCASLGHKANHSFTPNCIYDMFVHPRFGPIKICIR  
TLRAVEADEELTVAYGYDHSPPGKSGPEAPEWYQVELKAFQATQQK

**纯度:**> 95% by HPLC

**浓度:**1 mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:**+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.