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JMJD6, 1-414aa, Human, His tag, E.coli

产品货号: TP02708

第三版

别名: Bifunctional arginine demethylase and lysyl-hydroxylase JMJD6 isoform1, PSR, PTDSR, PTDSR1

描述: JMJD6 also known as bifunctional arginine demethylase and lysyl-hydroxylase JMJD6. JMJD6 acts as a lysyl-hydroxylase that catalyzes 5-hydroxylation on specific lysine residues of target proteins such as u2AF2/u2AF65 and LuC7L2, as a regulator of RNA splicing by mediating 5-hydroxylation of u2AF2/u2AF65, affecting the pre-mRNA splicing activity of u2AF2/u2AF65. In addition to peptidyl-lysine 5-dioxygenase activity, may act as an RNA hydroxylase, as suggested by its ability to bind single strand RNA. Also acts as an arginine demethylase which demethylates histone H3 at 'Arg-2' (H3R2me) and histone H4 at 'Arg-3' (H4R3me), thereby playing a role in histone code. Recombinant human JMJD6, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid, In Phosphate buffered saline (pH7.4) containing 30% glycerol, 1mM DTT

分子量: 50.0kDa (437aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSMNHKSKKRIREAKRSARPELKDSLWTRHNYYESFSLSPAAVADNVERADALQLSV
EEFVERYERPYKPVVLLNAQEGWSAQEKWTLERLKRKYRNQKFKCGEDNDGYSVKMKMKYIEYMESTRDDSPLYIFDSS
YGEHPKRRKLLLEDYKVPKFFTDLDFQYAGEKRRPPYRWFVMGPPRSGTGIIHIDPLGTSAWNALVQGHKRWCLFPTSTPRE
LIKVTRDEGGNQQDEAITWFNVIYPRTLPTWPPEFKPLEILQKPGETVFPVGGWWHVVLNLDTTIAITQNFASSTNFPVV
WHKTVRGRPKLSRKWYRILKQEHPELAVLADSVLDLQESTGIASDSSSDSSSSSSSSSDSECEGSEGDGTVHRRKKRRTCS
MVGNGDTTSQDDCVSKERSSSRIRDTCGGRAHP

纯度: > 95% by HPLC

浓度: 0.5 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.