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TFB2M, 20-396aa, Human, His tag, E.coli

产品货号: TP04183

第三版

别名: Dimethyladenosine transferase 2, mitochondrial, Hkp1, mtTFB2

描述: TFB2M is S-adenosyl-L-methionine-dependent methyltransferase which specifically dimethylates mitochondrial 12S rRNA at the conserved stem loop. This protein is also required for basal transcription of mitochondrial DNA, probably via its interaction with POLRMT and TFAM. TFB2M stimulates transcription independently of the methyltransferase activity. Compared to TFB1M, it activates transcription of mitochondrial DNA more efficiently, while it has less methyltransferase activity. Recombinant human TFB2M protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

分子量: 45.8 kDa (401aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMAGRFCILGSEAATRKHLPARNHCGLSDSSPQLWPEPDFRNPPRKASKASLDFKRY
VTDRRLAETLAQIYLGKPSRPPHLLLECNPGPGILTQALLEAGAKVVALES DKTFIPHLES LGKNLDGKLRVIHCDFKLDPR
SGGVIKPPAMSSRGLFKNLGIEAVPWTADIPLKVVGMFSPRGEKRALWKLAYDLYSCTSIYKFGRIEVNMFIGEKEFQKLMA
DPGNPDLYHVLSVIWQLACEIKVLHMEPWSSFDIYTRKGPLENPKRRELLDQLQQKLYLIQMIPRQNLFTKNLTPMNYNIF
FHLLKHCFGRRSATVIDHLRSLPLDARDILMQIGKQEDEKVVNMHPQDFKTLFETIERSKDCAYKWLYDETLDR

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.