

TFB1M, 28-346aa, Human, His tag, E.coli

Cat.NO.: TP04182

3th Edition

Synonyms:Dimethyladenosine transferase 1, TFB1M (Mitochondrial transcription factor B1)

Description:TFB1M belongs to the methyltransferase superfamily. TFB1M is a dimethyltransferase that methylates mitochondrial 12S rRNA at the conserved stem loop. This protein also is part of the basal mitochondrial transcription complex and is necessary for mitochondrial gene expression. TFB1M stimulates transcription independently of the methyltransferase activity. Recombinant human TFB1M protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Molecular Weight:38.8 kDa (340aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMQAAKQLSQNFLDLRLTDKIVRKAGNLTNAYVVEVGP GPGGITRSILNADVAELL
VVEKDTRFIPGLQMLSDAAPGKLRIVHGDVLTFKVEKAFSESLKRPWEDDPPNVHIIGNLPFSVSTPLIIKWLENISCR
DGPVFYGR TQMTLTFQKEVAERLAANTGSKQRSRLSVMAQYLCNVRHIFTIPGQAFVPKPEVDVGVVHFTPLIQPKI
EQPFKLVEKVVQNVFQFRRKYCHRGLRMLFPEAQRLESTGRLLLELADIDPTLRPRQLSISHFKSLCDVYRKMCD
PQLFAYNFREELKRRKSKNEEKEEDDAENYRL

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

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

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.