# NKMAXBio We support you, we believe in your research

# Recombinant human TFB1M protein

Catalog Number: ATGP1165

# **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

28-346aa

#### UniProt No.

08WVM0

#### **NCBI Accession No.**

NP 057104

#### **Alternative Names**

Dimethyladenosine transferase 1, TFB1M (Mitochondrial transcription factor B1)

# PRODUCT SPECIFICATION

### **Molecular Weight**

38.8 kDa (340aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **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.



# NKMAXBio We support you, we believe in your research

# Recombinant human TFB1M protein

Catalog Number: ATGP1165

# **Amino acid Sequence**

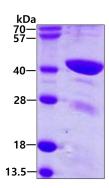
<MGSSHHHHHH SSGLVPRGSH M>QAAKQLSQN FLLDLRLTDK IVRKAGNLTN AYVYEVGPGP GGITRSILNA DVAELLVVEK DTRFIPGLQM LSDAAPGKLR IVHGDVLTFK VEKAFSESLK RPWEDDPPNV HIIGNLPFSV STPLIIKWLE NISCRDGPFV YGRTQMTLTF QKEVAERLAA NTGSKQRSRL SVMAQYLCNV RHIFTIPGQA FVPKPEVDVG VVHFTPLIQP KIEQPFKLVE KVVQNVFQFR RKYCHRGLRM LFPEAQRLES TGRLLELADI DPTLRPRQLS ISHFKSLCDV YRKMCDEDPQ LFAYNFREEL KRRKSKNEEK EEDDAENYRL

#### **General References**

McCulloch V., et al. (2002) Mol. Cell. Biol. 22:1116-1125 Gleyzer N., et al. (2005) Mol. Cell. Biol. 25(4):1354-66

# **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

