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Recombinant human TFB1M protein

Catalog Number: ATGP1165

PRODUCT INFORMATION

Expression system
E.coli

Domain
28-346aa

UniProt No.
Q8WVM0

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.

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Amino acid Sequence

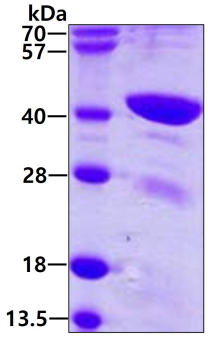
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General References

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.