

Recombinant Human Transcription Factor B1, Mitochondrial, His-tagged

Cat. No. TFB1M-1785H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human TFB1M protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	Human
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.
Concentration	0.5 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, with 20% glycerol, 0.1M NaCl and 1mM DTT.
Purity	> 90% by SDS -PAGE
Sequence	28-346 amino acids: MGSSHHHHHH SSGLVPRGSH MQAAKQLSQN FLLDLRLTDK IVRKAGNLTN AYYVEVGP GP GGITRSILNADVAELLVVEK DTRFIPGLQM LSDAAPGKLR IVHGDVLT FK VEKAFSESLK RPWEDDPPNV HIIGNLPFSVSTPLIIKWLE NISCRDGPV YGRTQMTLTF QKEVAERLAA

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NTGSKQRSRL SVMAQYLCNV RHIFTIPGQAFVPK

Molecular Mass 38.8 kDa.

Applications SDS-PAGE

Storage Store at 4 deg C for short term storage. Aliquot and store at -20 deg C or -70 degC for long term storage. Avoid repeated freeze/thaw cycles.

Official Symbol TFB1M

GENE INFORMATION

Gene Name [TFB1M transcription factor B1,mitochondrial \[Homo sapiens \]](#)

Synonyms

TFB1M;transcription factor B1, mitochondrial; CGI75; mtTFB;CGI-75; mtTFB1; dimethyladenosine transferase 1, mitochondrial; hTFB1M;h-mtTFB1; mitochondrial 12S rRNA dimethylase 1; mitochondrial dimethyladenosine transferase 1; homolog of yeast mitochondrial transcription factor B; S-adenosylmethionine-6-N", N"-adenosyl(rRNA) dimethyltransferase 1; Dimethyladenosine transferase 1, mitochondrial; Mitochondrial 12S rRNA dimethylase 1; Mitochondrial transcription factor B1; h-mtTFB;S-adenosylmethionine-6-N",N"-adenosyl(rRNA) dimethyltransferase 1; EC 2.1.1.- ; OTTHUMP00000017473

Gene ID [51106](#)

mRNA Refseq [NM_057104](#)

Protein Refseq [NP_016020](#)

MIM [607033](#)

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UniProt ID	Q8WVM0
Chromosome Location	6q25.1-q25.3
Pathway	Energy Metabolism;Mitochondrial Gene Expression
Function	DNA binding; protein binding;methyltransferase activity; rRNA (adenine-N6, N6)-dimethyltransferaseactivity; transferase activity

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