

Recombinant Human Transcription Factor B1, Mitochondrial, His-tagged

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

SPECIFICATION

Product Overview	Recombinant humanTFB1M protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography.
Species	Human
Source	Human
Description	TFB1M belongs to themethyltransferase superfamily. TFB1M is a dimethyltransferase that methylatesmitochondrial 12S rRNA at the conserved stem loop. This protein also is partof the basal mitochondrial transcription complex and is necessary formitochondrial gene expression. TFB1M stimulates transcription independentlyof the methyltransferase activity.
Concentration	0.5 mg/ml
Form	Suppliedas a liquid in 20mM Tris-HCl buffer, pH 8.0, with 20% glycerol, 0.1M NaCl and1mM DTT.
Purity	> 90% by SDS -PAGE
Sequence	28-346 amino acids:MGSSHHHHHH SSGLVPRGSH MQAAKQLSQN FLLDLRLTDK IVRKAGNLTN AYYVEVGPGP GGITRSILNADVAELLVVEK DTRFIPGLQM LSDAAPGKLR IVHGDVLTfK VEKAFSESLK RPWEDDPPNV HIIGNLPFSVSTPLIKWLE NISCRDGPfV 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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