

Product datasheet

Recombinant Human TFB1M protein ab113141

1 Image

Description

Product name	Recombinant Human TFB1M protein	
Purity	> 90 % SDS-PAGE. ab113141 was purified using conventional chromatography.	
Expression system	Escherichia coli	
Accession	<u>Q8WVM0</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<p>MGSSHHHHHSSGLVPRGSHMQAAKQLSQNFLDLRLT DKIVRKAGNLN AYVYEVGPGGGITRSIL NADVAELLVVEKDRFIPGLQMLSDAAPGK LRMHGDVLTFKVEKAFSESLKRPWEDDPPNVHIIIGNLPFS VSTP LII KWLENISCRDGPFFVYGRQTQMTLTFQKEVAERLAANTGSK QRSRLSVMAQYLCNVRHIFTIPGQAFVPKPEVD VGVVHFTPLIQPKIEQPFLVEKVVQ NVFQFRRKYCHRGLRMLFPEAQRLESTGRLLLELADIDPTL RPRQLSISH FKSLCDVYRKMCEDEPQLFAYNFREELKRRKSKNEEKEE DDAENYRL</p>	
Predicted molecular weight	39 kDa including tags	
Amino acids	28 to 346	
Tags	His tag N-Terminus	

Specifications

Our **Abpromise guarantee** covers the use of **ab113141** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Mass spectrometry	MALDI-TOF

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00
Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function S-adenosyl-L-methionine-dependent methyltransferase which specifically dimethylates mitochondrial 12S rRNA at the conserved stem loop. Also required for basal transcription of mitochondrial DNA, probably via its interaction with POLRMT and TFAM. Stimulates transcription independently of the methyltransferase activity.

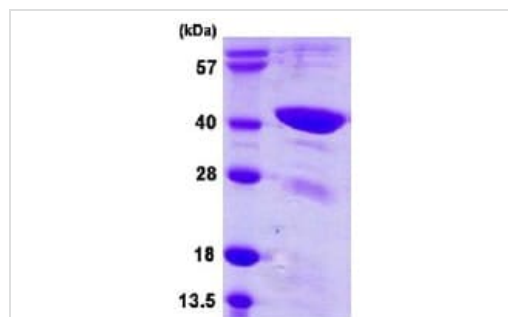
Tissue specificity Ubiquitously expressed.

Involvement in disease Note=Variations in TFB1M may influence the clinical expression of aminoglycoside-induced deafness caused by the A1555G mutation in the mitochondrial 12S rRNA.

Sequence similarities Belongs to the methyltransferase superfamily. rRNA adenine N(6)-methyltransferase family. KsgA subfamily.

Cellular localization Mitochondrion.

Images



15% SDS-PAGE analysis of ab113141 (3µg)

SDS-PAGE - Recombinant Human TFB1M protein
(ab113141)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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