9051 Mira Mesa Blvd, #910094
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TFB1M Human

Transcription Factor B1, Mitochondrial Human Recombinant
RCP2353

Product Overview

Name	TFB1M Human

Description

Transcription Factor B1, Mitochondrial Human Recombinant

Accession (Primary)	Q8WVM0

Synonyms

Dimethyladenosine transferase 1 mitochondrial, Mitochondrial 12S rRNA dimethylase 1, Mitochondrial transcription factor B1, h-mtTFB, h-mtTFB1, hTFB1M, mtTFB1, S-adenosylmethionine-6-N'-N'-adenosyl(rRNA) dimethyltransferase 1, TFB1M, CGI-75, CGI75, mtTFB.

Introduction

TFB1M is a member of the methyltransferase superfamily. TFB1M is a dimethyltransferase which methylates mitochondrial 12S rRNA at the conserved stem loop. The TFB1M protein also is part of the basal mitochondrial transcription complex and is required for mitochondrial gene expression. TFB1M stimulates transcription independently of the methyltransferase activity.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

TFB1M protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

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

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FVPKPEVDVG VVHFTPLIQP KIEQPFKLVE KVVQNVFQFR RKYCHRGLRM LFPEAQRLES TGRLLELADI DPTLRPRQLS ISHFKSLCDV YRKMCDEDPQ LFAYNFREEL KRRKSKNEEK EEDDAENYRL.

Precautions

TFB1M Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8WVM0)