

Recombinant Human TFB1M 293 Cell Lysate

Cat. No. TFB1M-1136HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for transcription factor B1, mitochondrial (TFB1M), nuclear gene encoding mitochondrial protein is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

TFB1M transcription factor B1, mitochondrial [Homo sapiens]

Official Symbol

TFB1M

Synonyms

TFB1M; transcription factor B1, mitochondrial; dimethyladenosine transferase 1, mitochondrial; CGI 75; dimethyladenosine transferase 1; mitochondrial; mtTFB; 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; CGI75; CGI-75; mtTFB1;

Gene ID

51106

mRNA Refseq

NM_016020

Protein Refseq

NP_057104

MIM

607033

UniProt ID

Q8WVM0

Chromosome Location

6q25.1-q25.3

Pathway

Energy Metabolism, organism-specific biosystem; Mitochondrial Gene Expression,

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