

Product datasheet for **TP301683L**

TFB2M (NM_022366) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transcription factor B2, mitochondrial (TFB2M), nuclear gene encoding mitochondrial protein, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201683 protein sequence Red =Cloning site Green =Tags(s)

MWIPVWGLPRRLRLSALAGAGRFCILGSEAATRKHLPARNHCGLSDSSPQLWPEPDFRNPPRKASKASLD
FKRYVTDRLAETLAQIYLGKPSRPPHLLLECNPGGILTQALLEAGAKVALES DKTFIPHLES LGKNL
DGKLRVIHCDFFKLDPRSGGVKPPAMSSRGLFKNL GIEAVPWTADIPLKVVGMFPSRGEKRALWKLAYD
LYSCTSIYKFGRIEVNMFIGEKEFQKLMADPGNPDLYHVLSVIWQLACEIKVLHMEPWSSFDIYTRKGPL
ENPKRRELLDQLQKLYLIQMIPRQNLFTKNLTPMNYNIFFHLLKHCFGRRSATVIDHLRSLTPLDARDI
LMQIGKQEDEKVVNMHPQDFKTLFETIERSKDCAYKWLYDETLEDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	45.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_071761



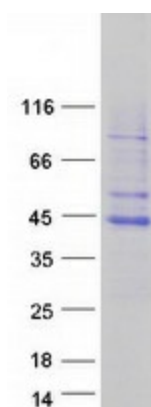
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Locus ID: 64216
UniProt ID: [Q9H5Q4](#)
RefSeq Size: 1799
Cytogenetics: 1q44
RefSeq ORF: 1188
Synonyms: Hkp1; mtTFB2

Summary: 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. Compared to TFB1M, it activates transcription of mitochondrial DNA more efficiently, while it has less methyltransferase activity.[UniProtKB/Swiss-Prot Function]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified TFB2M protein (Cat# [TP301683]). The protein was produced from HEK293T cells transfected with TFB2M cDNA clone (Cat# [RC201683]) using MegaTran 2.0 (Cat# [TT210002]).