

Product datasheet for TP301683M

TFB2M (NM_022366) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human transcription factor B2, mitochondrial (TFB2M), nuclear gene encoding mitochondrial protein, 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC201683 protein sequence Red =Cloning site Green =Tags(s) |
| | MWIPVWGLPRRLRLSALAGAGRFCILGSEAATRKHLPARNHCGLSDSSPQLWPEPDFRNPPRKASKASLD FKRYVTDRLAETLAQIYLGKPSRPPHLLLECNPGPGILTQALLEAGAKVALES 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 |



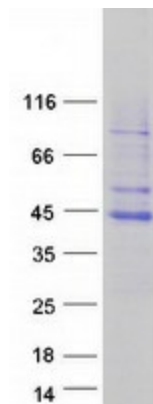
[View online »](#)

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]).