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Product datasheet for AR50597PU-N

TFB2M (20-396, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	TFB2M (20-396, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMAGRFCI LGSEAATRKH LPARNHCGLS DSSPQLWPEP DFRNPPRKAS KASLDFKRYV TDRRLAETLA QIYLGKPSRP PHLLLECNPG PGILTQALLE AGAKVVALES DKTFIPHLES LGKNLDGKLR VIHCDFFKLD PRSGGVIKPP AMSSRGLFKN LGIEAVPWTA DIPLKVVGMF PSRGEKRALW KLAYDLYSCT SIYKFGRIEV NMFIGEKEFQ KLMADPGNPD LYHVLSVIWQ LACEIKVLHM EPWSSFDIYT RKGPLENPKR RELLDQLQQK LYLIQMIPRQ NLFTKNLTPM NYNIFFHLLK HCFGRRSATV IDHLRSLTPL DARDILMQIG KQEDEKVVNM HPQDFKTLFE TIERSKDCAY KWLYDETLED R
Tag:	His-tag
Predicted MW:	45.8 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human TFB2M protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_071761
Locus ID:	64216
UniProt ID:	Q9H5Q4

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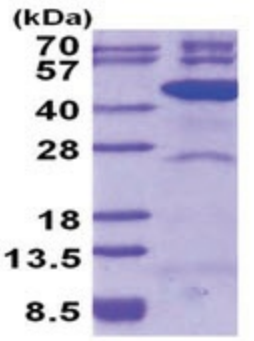
Cytogenetics: 1q44

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:



15% SDS-PAGE (3ug)