

TFAM recombinant protein

TFAM, 43-246aa, Human, His tag, E Coli

CATALOG # AAA11798	HOST E Coli	APPLICATIONS SDS-Page
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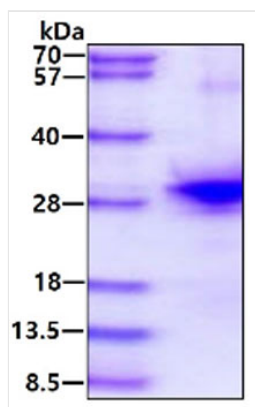
PRODUCT SYNONYMS

TFAM; 43-246aa; Human; His tag; E Coli; Transcription factor A mitochondrial precursor; Transcription factor A; mitochondrial precursor; MtTF1; mtTFA; TCF6; TCF6L1; TCF6L2; TCF6L3; TFAM recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MSSVLASCPK KPVSSYLRF S KEQLPIFKAQ NPDAKTTELI RRIAQRWREL PDSKKKIYQD AYRAEWQVYK EEISRFKEQL TPSQIMSLEK EIMDKHLKRK AMTKKKELTL LGKPKRPRSA YNVYVAERFQ EAKGDSPQEK LKTVKENWKN LSDSEKELYI QHAKEDETRY HNEMKSWEEQ MIEVGRKDLL RRTIKKQRKY GAEEC
Sequence Length	246
Applicable Applications for TFAM recombinant protein	SDS-PAGE
Domain	43-246aa
Tag	His-Tag
Preparation and Storage	Can be stored at 2°C to 8°C. For long term storage, aliquot and store at -20°C or -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3 ug by SDS-Page under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for TFAM recombinant protein	TFAM, also known as MtTF1 or mtTFA, is a mitochondrial transcription factor that is a key activator of mitochondrial transcription as well as a participant in mitochondrial genome replication. TFAM is located primarily in the nuclei of elongated spermatids and may be involved in the regulation of gene expression of the haploid male genome. TFAM has been associated with mitochondrial disorder in humans characterized by ocular myopathy, exercise intolerance and muscle wasting. Recombinant human TFAM protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for TFAM recombinant protein	Transcription & Translation
References	Sinha RA., et al. (2010) Biochem Biophys Res Commun. 397 (3):548-52.; Aquilano K., et al. (2010) J Biol Chem. 285 (28):21590-9.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507401
NCBI GeneID	7019
NCBI Accession #	NP_003192
NCBI GenBank Nucleotide #	NM_003201.2
UniProt Accession #	Q00059 ; Q5U0C6 ; A8MRB2 ; A9QXC6 ; B5BU05
Molecular Weight	26.6 kDa (225aa), confirmed by MALDI-TOF
NCBI Official Full Name	transcription factor A, mitochondrial isoform 1
NCBI Official Synonym Full Names	transcription factor A, mitochondrial
NCBI Official Symbol	TFAM
NCBI Official Synonym Symbols	TCF6; MTTF1; MTTFA; TCF6L1; TCF6L2; TCF6L3; MTDPS15
NCBI Protein Information	transcription factor A, mitochondrial
UniProt Protein Name	Transcription factor A, mitochondrial
UniProt Gene Name	TFAM
UniProt Synonym Gene Names	TCF6; TCF6L2; mtTFA; MtTF1; TCF-6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.