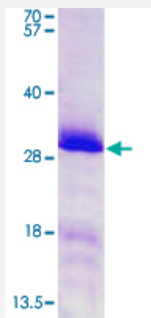


TFAM (Human) Recombinant Protein

Catalog # P3421 Size 10 ug

Applications



Specification

Product Description	Human TFAM (NP_003192, 43 a.a. - 246 a.a.) partial recombinant protein with His tag expressed in <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHMSSVLASCPKKPVSSYLRFSEQLPIFKAQNPDAKTTELIRRIARWRELPDSKKKIYQDAYRAEWQVYKEEISRFKEQLTPSQIMSLEKEIMDKHLKRKAMTKKKELTLGKPKRPRSAYNVYAERFQEAKGDSPQEKLKTVKENWKNLSDSEKELYQHAKEDETRYHNEMKSWEEQMIEVGRKDLLRRTIKKQRKYGAEEC
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	26.6
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Conventional Chromatography
Concentration	0.25 mg/mL
Purity	> 85% by SDS-PAGE
Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE
Storage Buffer	In 20 mM Tris-HCl buffer, 0.2 M NaCl, pH 8.0 (20% glycerol, 5 mM DTT).

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — TFAM

Entrez GeneID [7019](#)

Protein Accession# [NP_003192](#)

Gene Name TFAM

Gene Alias MtTF1, TCF6, TCF6L1, TCF6L2, TCF6L3, mtTFA

Gene Description transcription factor A, mitochondrial

Omim ID [600438](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a mitochondrial transcription factor that is a key activator of mitochondrial transcription as well as a participant in mitochondrial genome replication. Studies in mice have demonstrated that this gene product is required to regulate the mitochondrial genome copy number and is essential for embryonic development. A mouse model for Kearns-Sayre syndrome was produced when expression of this gene was eliminated by targeted disruption in heart and muscle cells. [provided by RefSeq]

Other Designations OTTHUMP00000019633|Transcription factor 6-like 2 (mitochondrial transcription factor)|mitochondrial transcription factor A

Disease

- [Alzheimer disease](#)
- [Birth Weight](#)
- [Cardiomegaly](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
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- [Parkinson disease](#)
- [Psychiatric Status Rating Scales](#)