

## TFAM Human

**Description:**TFAM produced in E.Coli is a single, non-glycosylated polypeptide chain containing 225 amino acids (43-246.a.a) and having a molecular mass of 26.6kDa. TFAM is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:**PRPS-102

**Synonyms:**Transcription factor A, mitochondrial, TCF6, TCF6L2, Mitochondrial transcription factor 1, Transcription factor 6-like 2, MtTF1, mtTFA, TCF6L1, TCF6L3.

For research use only.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered clear solution.

**Amino Acid Sequence:**MGSSHHHHH SSGLVPRGSH MSSVLASCPK KPVSSYLRFSS  
KEQLPIFKAQ NPDAKTTELI RRIAQRWREL PDSKKKIYQD AYRAEWQVYK EEISRFKEQL  
TPSQIMSLEK EIMDKHLKRK AMTKKKELTL LGKPKRPRSA YNVYVAERFQ EAKGDSPQEK  
LKTIVENWKN LSDSEKELYI QHAKEDETRY HNEMKSWEEQ MIEVGRKDLL RRTIKKQRKY  
GAEEC

**Purity:**Greater than 85% as determined by SDS-PAGE.

### Formulation:

The TFAM protein solution (0.25mg/1ml) is formulated in 20 mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT and 20% glycerol.

### Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

TFAM is a mitochondrial transcription factor which is a main activator of mitochondrial transcription and is also a participant in mitochondrial genome replication. TFAM is situated primarily in the nuclei of elongated spermatids and takes part in the regulation of gene expression of the haploid male genome. TFAM is linked to mitochondrial disorder in humans characterized by ocular myopathy, exercise intolerance and muscle wasting.

### Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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