

## 32-5060: Recombinant Human Transcription Factor-A

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

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 5 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** 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.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MSSVLASCPK KPVSSYLRF S KEQLPIFKAQ NPDAKTTELI RRIAQRWREL PDSKKKIYQD AYRAEWQVYK EEISRFKEQL TPSQIMSLEK EIMDKHLKRK AMTKKKELTL LGKPKRPRSA YNVYVAERFQ EAKGDSPQEK LKTVKENWKN LSDSEKELYI QHAKEDETRY HNEMKSWEEQ MIEVGRKDLL RRTIKKQRKY GAEEC

