

Product datasheet for **TP761170**

mtTFA (TFAM) (NM_003201) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human transcription factor A, mitochondrial (TFAM), nuclear gene encoding mitochondrial protein, full length, with N-terminal HIS tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length TFAM
Tag:	N-His
Predicted MW:	24.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003192
Locus ID:	7019
UniProt ID:	Q00059 , E5KSU5
RefSeq Size:	1936
Cytogenetics:	10q21.1
RefSeq ORF:	738
Synonyms:	MTDPS15; MTTF1; MTTFA; TCF6; TCF6L1; TCF6L2; TCF6L3



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Summary:

This gene encodes a key mitochondrial transcription factor containing two high mobility group motifs. The encoded protein also functions in mitochondrial DNA replication and repair. Sequence polymorphisms in this gene are associated with Alzheimer's and Parkinson's diseases. There are pseudogenes for this gene on chromosomes 6, 7, and 11. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]

Protein Families:

Druggable Genome, Transcription Factors

Protein Pathways:

Huntington's disease

Product images: