

Product datasheet for **TP724627**

Tfam Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Transcription factor A, mitochondrial/mTFAM (N-His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	S43-H243
Tag:	N-6His
Buffer:	Supplied as a 0.2 um filtered solution of 5umM TES, pH7.5
Note:	Recombinant mouse mTFAM is produced by E.coli. The target gene encoding S43-H243 is expressed with a 6His tag at the N terminus.
Stability:	12 months from date of despatch
Locus ID:	21780
UniProt ID:	P40630
Summary:	Mitochondrial transcription factor A (TFAM) is a double box high-mobility group DNA-binding and bending protein. The mitochondrial isoform of TFAM is widely expressed, whereas the nuclear isoform is testis-specific. TFAM plays an essential role in the activation of mitochondrial transcription and mitochondrial genome replication. It facilitates the transcription of the mitochondrial genome by binding mitochondrial promoter DNA. Studies in mice found that TFAM play a central role for embryonic development and is required to maintain the normal levels of mitochondrial genome copy.



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