



Human TFAM peptide (DAG-P0828)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 Alzheimers and Parkinsons 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]
Conjugate	Unconjugated
Sequence Similarities	Contains 2 HMG box DNA-binding domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	TFAM transcription factor A, mitochondrial [Homo sapiens (human)]
Official Symbol	TFAM
Synonyms	TFAM; transcription factor A, mitochondrial; TCF6; MTTF1; MTTFA; TCF6L1; TCF6L2; TCF6L3; transcription factor 6; transcription factor 6-like 1; transcription factor 6-like 3; mitochondrial transcription factor 1; mitochondrial transcription factor A; transcription factor 6-like 2 (mitochondrial transcription factor);
Entrez Gene ID	7019
mRNA Refseq	NM_001270782.1

Protein Refseq	NP_001257711.1
UniProt ID	Q00059
Chromosome Location	10q21
Pathway	Energy Metabolism, organism-specific biosystem; Gene Expression, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Mitochondrial Gene Expression, organism-specific biosystem; Mitochondrial transcription initiation, organism-specific biosystem; RNA Polymerase I, RNA Polymerase III, and Mitochondrial Transcription, organism-specific biosystem; Transcription from mitochondrial promoters, organism-specific biosystem;
Function	DNA binding, bending; chromatin binding; heat shock protein binding; mitochondrial light strand promoter sense binding; poly(A) RNA binding; protein binding; sequence-specific DNA binding transcription factor activity;