

Recombinant Human TFAM cell lysate

Cat. No. TFAM-1765HCL Lot. No. (See product label)

SPECIFICATION

Species Human

Description

This gene encodes a mitochondrial transcription factor that is a key activator of mitochondrial transcription as well as a participant in mitochondrial genome replication. Studies in mice have demonstrated that this gene product is required to regulate the mitochondrial genome copy number and is essential for embryonic development. A mouse model for Kearns-Sayre syndrome was produced when expression of this gene was eliminated by targeted disruption in heart and muscle cells.

Size 100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications Western Blot;

GENE INFORMATION

Gene Name TFAM transcription factor A, mitochondrial [Homo sapiens]

Official Symbol TFAM

Synonyms

TFAM; transcription factor A, mitochondrial; TCF6, TCF6L2; TCF-6; transcription factor 6; mitochondrial transcription factor 1; mitochondrial transcription factor A;

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	Transcription factor 6-like 2 (mitochondrial transcription factor); TCF6; MtTF1; mtTFA; TCF6L1; TCF6L2; TCF6L3;
Gene ID	7019
mRNA Refseq	NM_003201
Protein Refseq	NP_003192
MIM	600438
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;
Function	DNA binding; chromatin binding; mitochondrial light strand promoter sense binding; protein binding; sequence-specific DNA binding transcription factor activity;

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