

Recombinant Human TFAM Protein, His/GST-tagged

TFAM-654H Human

Lot. No. (See product label)

Specification

Product Overview Recombinant Human TFAM(Ser43~Cys246) fused with His/GST tag at N-terminal was expressed in E. coli.

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 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.

Source E. coli

Species Human

Tag His/GST

Form PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Molecular Mass 51.4kDa

Protein length Ser43~Cys246

Endotoxin <1.0EU per 1µg (determined by the LAL method)

Purity >98%

Applications Positive Control; Immunogen; SDS-PAGE; WB.
If bio-activity of the protein is needed, please check active protein.

Stability The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution Reconstitute in PBS or others.

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;

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45-1 Ramsey Road, Shirley, NY 11967, USA

Tel: +1-631-559-9269 Fax: +1-631-938-8127

E-mail: info@creative-biomart.com

www.creativebiomart.net

mitochondrial transcription factor 1; mitochondrial transcription factor A; 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

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