

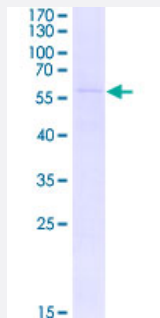
Full-Length

TFAM (Human) Recombinant Protein (P01)

Catalog # H00007019-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TFAM full-length ORF (BAG35455.1, 1 a.a. - 246 a.a.) recombinant protein with GST tag at N-terminal.

Sequence

MAFLRSMWGVLSALGRSGAELCTGCGSRLRSPFSFVYLPRWFSSVLASCPKKPVSSYLRFSSKE
QLPIFKAQNPDAKTTELIRRIAQRWRELPDSKKKIYQDAYRAEWQVYKEEISRFKEQLTPSQIMSLE
KEIMDKHLKRKAMTKKKELTLLGPKRPRSAYNVYAERFQEAAGDSPQEKLTVKENWKNLSD
SEKELYQHAKEDETRYHNEMKSWEEQMIEVGRKDLLRRTIKKQRKYGAEEC

Theoretical MW (kDa)

53.46

Interspecies Antigen Sequence

Mouse (63)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TFAM

Entrez GeneID	7019
GeneBank Accession#	AK312558.1
Protein Accession#	BAG35455.1
Gene Name	TFAM
Gene Alias	MtTF1, TCF6, TCF6L1, TCF6L2, TCF6L3, mtTFA
Gene Description	transcription factor A, mitochondrial
Omim ID	600438
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000019633 Transcription factor 6-like 2 (mitochondrial transcription factor) mitochondrial transcription factor A

Disease

- [Alzheimer disease](#)
- [Birth Weight](#)

- [Cardiomegaly](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Parkinson disease](#)
- [Psychiatric Status Rating Scales](#)