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Datasheet for ABIN1989795

**TFAM Protein (AA 1-246) (GST tag)**

## Overview

Quantity:	25 µg
Target:	TFAM
Protein Characteristics:	AA 1-246
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This TFAM protein is labelled with GST tag.
Application:	Western Blotting (WB), ELISA, Affinity Purification (AP), Antibody Array (AA)

## Product Details

Purpose:	TFAM (Human) Recombinant Protein (P01)
Sequence:	MAFLRSMWGV LSALGRSGAE LCTGCGSRLR SPFSFVYLPR WFSSVLASCP KKPVSSYLRF SKEQLPIFKA QNPDAKTTEL IRRIAQRWRE LPDSKKKIYQ DAYRAEWQVY KEEISRFKEQ LTPSQIMSLE KEIMDKHLKR KAMTKKKELT LLGKPKRPRS AYNVYVAERF QEAKGDSPQE KLKTVKENWK NLSDSEKELY IQHAKEDETR YHNEMKSWEQ QMIEVGRKDL LRRTIKKQRK YGAEEC
Characteristics:	Human TFAM full-length ORF (BAG35455.1, 1 a.a. - 246 a.a.) recombinant protein with GST tag at N-terminal.
Purification:	in vitro wheat germ expression system

## Target Details

Target:	TFAM
Alternative Name:	TFAM ( <a href="#">TFAM Products</a> )
Background:	<p>Synonyms: MtTF1,TCF6,TCF6L1,TCF6L2,TCF6L3,mtTFA</p> <p>Gene Description: transcription factor A, mitochondrial</p> <p>Gene Name: TFAM</p> <p>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.</p> <p>GenBank: AK312558.1, BAG35455.1</p>
Molecular Weight:	53.46 kDa (theoretical)
Gene ID:	7019
Pathways:	<a href="#">Chromatin Binding</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Buffer:	50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-80 °C
Storage Comment:	Best use within three months from the date of receipt of this protein.