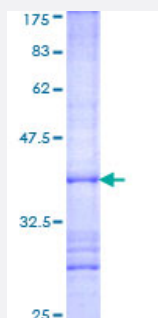


TSFM (Human) Recombinant Protein (Q01)

Catalog # H00010102-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TSFM partial ORF (NP_005717, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSLLRSLRVFLVARTGSYPAGSLLRQSPQPRHTFYAGPRLSASASSKELLMKLRRKTGYSFVNCK KALETCCGDLKQAEIWLHKEAQKEGWSKAAKLQGR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (80); Rat (80)
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 — TSFM

Entrez GeneID [10102](#)

GeneBank Accession# [NM_005726](#)

Protein Accession# [NP_005717](#)

Gene Name TSFM

Gene Alias COXPD3, EF-TS, EF-Tsmt

Gene Description Ts translation elongation factor, mitochondrial

Omim ID [604723](#) [610505](#)

Gene Ontology [Hyperlink](#)

Gene Summary Synthesis of the 13 mitochondrial-encoded proteins occurs on a dedicated mitochondrial translation apparatus similar to that found in prokaryotes and requires, in addition to the tRNAs and rRNA encoded in mtDNA, the concerted action of several translation factors and a large number of mitochondrial ribosomal proteins, all of which are encoded by nuclear genes. The TSFM gene encodes a mitochondrial translation elongation factor (Smeitink et al., 2006 [PubMed 17033963]).[supplied by OMIM]

Other Designations -