

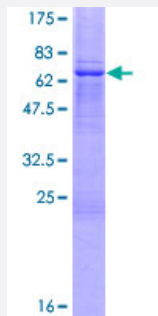
Full-Length

TSFM (Human) Recombinant Protein (P01)

Catalog # H00010102-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TSFM full-length ORF (NP_005717.2, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSLLRSLRVFLVARTGSYPAGSLLRQSPQPRHTFYAGPRLSASASSKELLMKLRRKTGYSFVNCK
KALETGGDLKQAEIWLHKEAQKEGWSKAAKLQGRKTKEGLIGLLQEGNTTVLVEVNCETDFVS
RNLKFQLLVQQVALGTMHCQTLKDQPSAYSKVQWLTPVNLALWEAEAGGSLEGFLNSSELSG
LPAGPDREGSLKDQLALAIGKLGENMILKRAAWVKVPSGFYVGSYVHGAMQSPSLHKLVLGKYG
ALVICETSEQKTNLEDVGRRLGQHVVGMAPLSVGSLDDEPGGEAETKMLSQPYLLDPSITLGQYV
QPQGVSVVDFVRFECGEGEEAAETE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

64.1

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_005726.2](#)**Protein Accession#**[NP_005717.2](#)**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

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