

## Product datasheet for **AR51511PU-N**

### TSFM (46-346, ) Human Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | TSFM (46-346, ) human recombinant protein, 0.5 mg   |
| Species:                              | Human   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | MSKELLMKLR RKTGYSFVNC KKALETCCGD LKQAEIWLHK EAQKEGWSKA AKLQGRKTK<br>GLIGLLQEGN TTVLVEVNCE TDFVSRNLKF QLLVQQVALG TMMHCQTLKD QPSAYSKVQW<br>LTPVNLALWE AEAGGSLEGF LNSSELSGLP AGPDREGSLK DQLALAIGKL GENMILKRAA<br>WVKVPSGFYV GSYVHGAMQS PSLHKLVLGK YGALVICETS EQKTNLEDVG RRLGQHVVGM<br>APLSVGLDD EPGGEAETKM LSQPYLLDPS ITLGQYVQPQ GVSVDVFRF ECGEGEEAAE TE |
| Predicted MW:                         | 32.9 kDa  |
| Concentration:                        | lot specific  |
| Purity:                               | >85% by SDS - PAGE  |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M Urea   |
| Preparation:                          | Liquid purified protein   |
| Protein Description:                  | Recombinant human TSFM protein, fused to His-tag at N-terminus, was expressed in E.coli.  |
| Storage:                              | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing.  |
| Stability:                            | Shelf life: one year from despatch.   |
| RefSeq:                               | <a href="#">NP_001166166</a>  |
| Locus ID:                             | 10102   |
| UniProt ID:                           | <a href="#">P43897</a>  |
| Cytogenetics:                         | 12q14.1   |
| Synonyms:                             | EFTS; EFTSMT  |



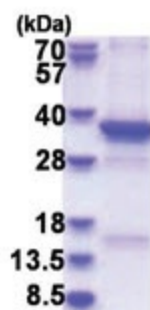
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**Summary:**

This gene encodes a mitochondrial translation elongation factor. The encoded protein is an enzyme that catalyzes the exchange of guanine nucleotides on the translation elongation factor Tu during the elongation step of mitochondrial protein translation. Mutations in this gene are associated with combined oxidative phosphorylation deficiency-3 syndrome. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Mar 2010]

**Protein Families:**

Transcription Factors

**Product images:**

15% SDS-PAGE (3ug)