

## 32-5146: Recombinant Human Ts Translation Elongation Factor, Mitochondrial

**Alternative Name :** Elongation factor Ts,mitochondrial,Ts Translation Elongation Factor Mitochondrial,TSFM,EF-Ts,EF-TsMt,COXPD3.

### Description

Source : Escherichia Coli. TSFM Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 302 amino acids (46-346 a.a) and having a molecular mass of 32.9kDa.TSFM is purified by proprietary chromatographic techniques. TSFM is a mitochondrial translation elongation factor which is linked with the EF-Tu.GDP complex and induces the exchange of GDP to GTP. TSFM stays bound to the aminoacyl-tRNA.EF-Tu.GTP complex until the GTP hydrolysis stage on the ribosome. Mutations in TSFM are related with combined oxidative phosphorylation deficiency-3 syndrome.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** TSFM protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MSKELLMKLR RKTGYSFVNC KKALETCCGGD LKQAEIWLHK EAQKEGWSKA AKLQGRKTK E GLIGLLQEGN TTVLVEVNCE TDFVSRNLKF QLLVQQVALG TMMHCQTLKD QPSAYSKVQW LTPVNLALWE AEAGGSLEGF LNSSELSGLP AGPDREGSLK DQLALAIGKL GENMILKRAA WVKVPSGFYV GSYVHGAMQS PSLHKLVLGK YGALVICETS EQKTNLEDVG RRLGQHVVGM APLSVGSLDD EPGGEAETKM LSQPYLLDPS ITLGQYVQPQ GVSVDVFRF ECGEGEEAAE TE.

