

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 KKALETGGD LKQAEIWLHK EAQKEGWSKA AKLQGRKTKE GLIGLLQEGN TTVLVEVNCE TDFVSRNLKF QLLVQQVALG TMMHCQTLKD QPSAYSKVQW LTPVNLALWE AEAGGSLEGF LNSSELGLP AGPDREGSLK DQLALAIGKL GENMILKRAA WVKVPSGFYV GSYVHGAMQS PSLHKLVLGK YGALVICETS EQKTNLEDVG RRLGQHVVGM APLSVGSLDD EPGGEAETKM LSQPYLLDPS ITLGQYVQPQ GVSVDVFVRF ECGEGEEAAE TE.

