

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

TSM, 46-346aa, Human, E.coli

产品货号: TP04320

第三版

**别名:** Ts translation elongation factor, mitochondrial , COXPD3, EF-TS, EF-Tsmt

**描述:** TSM is a mitochondrial translation elongation factor. It 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 TSM are associated with combined oxidative phosphorylation deficiency-3 syndrome. Alternate splicing results in multiple transcript variants. Recombinant human TSM protein, fused to His-tag at N-terminus, was expressed in E.coli.

**配方:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

**分子量:** 32.9 kDa(302aa)

**序列:**

MSKELLMKLRRKTGYSFVNCKKALETGGDLKQAEIWLHKEAQKEGWSKAAKLGQRKTK EGLIGLLQEGNTTVLVEVN  
CETDFVSRNLKFQLLVQQVALGTMHCQTLKDQPSAYSKVQWLTPVNLALWEAEAGGSLEGFLNSELGLPAGPDREG  
SLKDQLALAIGKLGENMILKRAAWVKVPSGFYVGSYVHGAMQSPSLHKLVLGKYGALVICETSEQKTNLEDVGRRLGQH  
VVGMAPLSVGSLLDDEPGGEAETKMLSQPYLLDPSITLGQYVQPQGVSVVDFVRFECGEGEEAAETE

**纯度:** > 95% by HPLC

**浓度:** 1mg/ml (determined by Bradford assay)

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.