

**UTP23, 1-249aa, Human, His tag, E.coli**

**Cat.NO.: TP04447**

3th Edition

**Synonyms:**rRNA-processing protein UTP23 homolog, C8orf53

**Description:**rRNA-processing protein UTP23 homolog, also known as UTP23, is a small subunit (SSU) processome component. The SSU processome is a complex involved in ribosome biogenesis and is required for pre-18S rRNA maturation. UTP23 is required for the first three cleavage steps in 18S rRNA maturation. In addition, single-point mutations in the conserved putative active site of Utp24 but not Utp23 abrogate its function in ribosome biogenesis. Recombinant human UTP23 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT

**Molecular Weight:**30.8 kDa (272aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMKTRQKHAKKHLGFFRNNFGVREPYQILLDGTFCQAALRGRIQLREQLPRY  
LMGETQLCTTRCVLKELETLGKDLYGAKLIAQKCQVRNCPHFKNAVSGSECLLSMVEEGNPHHYFVATQDQNLVS  
KVKKKPGVPLMFIIQNTMVLDPKSPKTIQAFVKAVESGQLVSVHEKESIKHLKEEQGLVKNTEQSRKRKRKISGPNPL  
SCLKKKKKAPDTQSSASEKKRKRKRIRNRSNPKVLSEKQNAEGE

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

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

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.