

## UTP23 Human

**Description:**UTP23 Human Recombinant produced in E. coli is a single polypeptide chain containing 272 amino acids (1-249) and having a molecular mass of 30.8 kDa.UTP23 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:**PRPS-1242

For research use only.

**Synonyms:**UTP23 Small Subunit (SSU) Processome Component, Homolog (Yeast), Chromosome 8 Open Reading Frame 53, RRNA-Processing Protein UTP23 Homolog, MGC14595, C8orf53.

**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHH SSGLVPRGSH MGSMKTRQK HAKKHLGFFR  
NNFGVREPYQ ILLDGTFCQA ALRGRIQLRE QLPRYLMGET QLCTTRCVLK ELETLGKDLY  
GAKLIAQKCQ VRNCPHFKN VSGSECLLSM VEEGNPHHYF VATQDQNLVS KVKKKPGVPL  
MFIIQNTMVL DKPSPKTI AF VKAVESGQLV SVHEKESIKH LKEEQGLVKN TEQSRKKRK  
KISGPNPLSC LK

**Purity:**Greater than 90% as determined by SDS-PAGE.

### Formulation:

The UTP23 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 1mM DTT and 20% glycerol.

### Stability:

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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

rRNA-processing protein UTP23 homolog (UTP23) is a small subunit (SSU) processome component. The SSU processome is a complex involved in ribosome biogenesis and essential for pre-18S rRNA maturation. UTP23 is vital for the first 3 cleavage steps in 18S rRNA maturation. Furthermore, single-point mutations in the conserved putative active site of Utp24 but not Utp23 annul its function in ribosome biogenesis.

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