

Recombinant Human UTP23, Small Subunit (SSU) Processome Component, Homolog (yeast), His-tagged

Cat. No. UTP23-7176H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human UTP23 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 30.8 kDa.
Species	Human
Source	E.coli
ProteinLength	1-249aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT.
Molecular Mass	30.8 kDa (272aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH GSMKTRQK HAKKHLGFFR NNFGVREPYQ ILLDGTFCQA ALRGRIQLRE QLPRYLMGET QLCTTRCVLK ELETLGKDLY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GAKLIAQKCQ VRNCPHFKNA VSGSECLLSM VEEGNPHHYF VATQDQNLSV
 KVKKKPGVPL MFIIQNTMVL DKPSPKTIAF VKAVESGQLV SVHEKESIKH
 LKEEQGLVKN TEQSRRKKRK KISGPNPLSC LKKKKKAPDT QSSASEKKRK
 RKRIRNRSNP KVLSEKQNAE GE

Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	UTP23 UTP23, small subunit (SSU) processome component, homolog (yeast) [Homo sapiens]
Official Symbol	UTP23
Synonyms	UTP23; UTP23, small subunit (SSU) processome component, homolog (yeast); C8orf53, chromosome 8 open reading frame 53; rRNA-processing protein UTP23 homolog; MGC14595; C8orf53;
Gene ID	84294
mRNA Refseq	NM_032334
Protein Refseq	NP_115710

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UniProt ID	Q9BRU9
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Chromosome Location	8q24.11
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