

Recombinant human UTP23 protein

Catalog Number: ATGP1744

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-249aa

UniProt No.

Q9BRU9

NCBI Accession No.

NP_115710

Alternative Names

rRNA-processing protein uTP23 homolog, C8orf53

PRODUCT SPECIFICATION

Molecular Weight

30.8 kDa (272aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

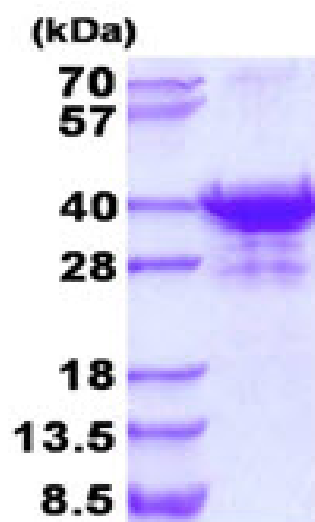
MGSSHHHHHH SSGLVPRGSH MGSMKITRQK HAKKHLGFFR NNFGVREPYQ ILLDGTFCQA ALRGRIQLRE QLPRYLMGET
QLCTTRCVLK ELETLGKDLY GAKLIAQKCQ VRNCPHFKNA VSGSECLLSM VEEGNPHHYF VATQDQNSLV KVKKKPGVPL
MFIIQNTMVL DKPSPKTIAF VKAVESGQLV SVHEKESIKH LKEEQGLVKN TEQSRRKKRK KISGPNPLSC LKKKKKAPDT
QSSASEKKRK RKRIRNRSNP KVLSEKQNAE GE

General References

Bleichert F., et al. (2006) Proc Natl Acad Sci uSA. 103(25):9464-9
Bernstein K A., et al. (2004) Eukaryotic Cell. 3: 1619-1626.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)