
Product Data Sheet

Product Name: UTP23 Human
 Cat. No.: GP24967
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	UTP23 Small Subunit (SSU) Processome Component; Homolog (Yeast); Chromosome 8 Open Reading Frame 53; RRNA-Processing Protein UTP23 Homolog; MGC14595; C8orf53.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMKITRQK HAKKHLGFFR NNFGVREPYQ ILLDGTFCQA ALRGRIQLRE QLPRYLMGET QLCTTRCVLK ELETLGKDLY GAKLIAQKCQ VRNCPHFKNA VSGSECLLSM VEEGNPHHYF VATQDQNLVS KVKKKPGVPL MFIIQNTMVL DKPSPKTI AF VKAVESGQLV SVHEKESIKH LKEEQGLVKN TEQSRRKKRK KISGPNPLSC LKKKKKAPDT QSSASEKKRK RKRIRNRSNP KVLSEKQNAE GE		
Formulation	The UTP23 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 1mM DTT and 20% glycerol.		

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.

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.

Background

UTP23 Human Recombinant produced in E. coli is a single polypeptide chain containing

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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.

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