

AR51155PU-S

Human NOB1 (1-412, His-tag) - Purified

Alternate names:

ART-4, ART4, MSTP158, NOB1P, PSMD8BP1, Phosphorylation regulatory protein HP-10, RNA-binding protein NOB1

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

In yeast, over 200 protein and RNA cofactors are required for ribosome assembly, and these are generally conserved in eukaryotes. These factors orchestrate modification and cleavage of the initial 35S precursor rRNA transcript into the mature 18S, 5.8S, and 25S rRNAs, folding of the rRNA, and binding of ribosomal proteins and 5S RNA. Nob1 is involved in pre-rRNA processing. In a late cytoplasmic processing step, Nob1 cleaves a 20S rRNA intermediate at cleavage site D to produce the mature 18S rRNA.

Uniprot ID:

[Q9ULX3](#)

NCBI:

[NP_054781](#)

GeneID:

[28987](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >80% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Description:

Recombinant human NOB1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMAPVEHV VADAGAFLRH AALQDIGKNI YTIREVVTEI
RDKATRRRLA VLPYELRFKE PLPEYVRLVT EFSKKTGDYP SLSATDIQVL ALTYQLEAEF
VGVSHLKQEP QKVKVSSSIQ HPETPLHISG FHLPYKPKPP QETEKGHSAC EPENLEFSSF
MFWRNPLPNI DHELQELLID RGEDVPSEEE EEEENGFEED KDDSDDDGGG WITPSNIKQI
QQELEQCDVP EDVRVGCLTT DFAMQNVLLQ MGLHVLAVNG MLIREARSYI LRCHGCFKTT
SDMSRVFCSH CGNKTLKKVS VTVSDDGTLH MHFSRNPVKL NPRGLRYSLP TPKGGKYAIN
PHLTEDQRFP QLRLSQKARQ KTNVFAPDYI AGVSPFVEND ISSRSATLQV RDSTLGAGRR
RLNPNASRKK FVKKR

Molecular weight: 49.1 kDa (435aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Zhang Y., et al. (2005) Kidney Int. 79:1138-1148 Daub H., et al. (2008) Mol. Cell. 31:438-448

Pictures:

