Recombinant human NOB1 protein

Catalog Number: ATGP2331

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-412aa

UniProt No.
Q9ULX3

NCBI Accession No.
NP_054781

Alternative Names
RNA-binding protein NOB1, RNA-binding protein NOB1, ART-4, MST158, MSTP158, NOB1P, PSMD8BP1

PRODUCT SPECIFICATION

Molecular Weight
49.1 kDa (435aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 80% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE,Denatured

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

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Amino acid Sequence

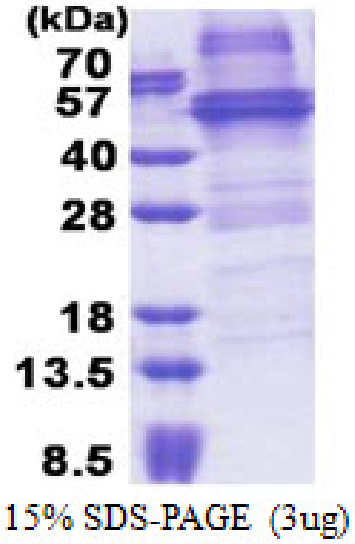
MGSSHHHHHH SSGLVPRGSH MGSMAPVEHV VADAGAFLRH AALQDIGKNI YTIREVVTEI RDKATRRRLA VLPYELRFKE PLPEYVRLVT EFSKKTGDYP SLSATDIQVL ALTYQLEAEF VGVSHLKQEP QKVKVSSSIQ HPETPLHISG FHLPYKPKPP QETEKGHSAC EPENLEFSSF MFWRNPLPNI DHELQELLID RGEDVPSEEE EEEENGFEDR KDDSDDDGGG WITPSNIKQI QQELEQCDVP EDVRVGCLTT DFAMQNVLLQ MGLHVLAVNG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

General References

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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