

## Product datasheet for **AR51155PU-S**

### **NOB1 (1-412, His-tag) Human Protein**

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	NOB1 (1-412, His-tag) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSMAPVEHV VADAGAFLRH AALQDIGKNI YTIREVTEI RDKATRRRLA VLPYELRFKE PLPEYVRLVT EFSKKTGDYP SLSATDIQVL ALTYQLEAEF VGVSHLKQEP QKVKVSSSIQ HPETPLHISG FHLPYKPKPP QETEKGHSAC EPENLEFSSF MFWRNPLPNI DHELQELLID RGEDVPSEEE EEEENGFEDE KDDSDDDGGG WITPSNIKQI QQELEQCDVP EDVRVGCLTT DFAMQNVLLQ MGLHVLAVNG MLIREARSYI LRCHGCFKTT SDMSRVFCSH CGNKTLKKVS VTSDDGTLH MHFSRNPVKL NPRGLRYSLP TPKGGKYAIN PHLTEDQRFP QLRLSQKARQ KTNVFAPDYI AGVSPFVEND ISSRSATLQV RDSTLGAGRR RLNPNASRKK FVKKR
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	49.1 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>80% by SDS - PAGE
<b>Buffer:</b>	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human NOB1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_054781</a>
<b>Locus ID:</b>	28987
<b>UniProt ID:</b>	<a href="#">Q9ULX3</a>



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Cytogenetics: 16q22.1

Synonyms: ART4, NOB1P, PSMD8BP1, MSTP158, ART-4

**Summary:** 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 (Lamanna and Karbstein, 2009 [PubMed 19706509]).[supplied by OMIM, Nov 2010]

### Product images:

