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**Product Data Sheet**


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Product Name: NOB1 Human

Cat. No.: GP24056

Batch No.: 1

**Product Data**

Purity &gt;98%

Source Escherichia Coli.

Physical Appearance solid

Shipping Condition Shipped with Ice Packs.

Synonyms NIN1/RPN12 Binding Protein 1 Homolog; PSMD8BP1; PSMD8 Binding Protein 1; Nin One Binding Protein; Phosphorylation Regulatory Protein HP-10; Protein ART-4; RNA-Binding Protein NOB1; Adenocarcinoma Antigen Recognized By T Lymphocytes 4; NOB1P; MST158.

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

Formulation The NOB1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

**Introduction**

Nob1 takes part in pre-rRNA processing and cleaves in a late cytoplasmic processing step a 20S rRNA intermediate at cleavage site D to create the mature 18S rRNA. In yeast, more than 200 protein and RNA cofactors are essential for ribosome assembly, and these are mostly conserved in eukaryotes. These factors oversee alteration 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.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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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

NOB1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 435 amino acids (1-412) and having a molecular mass of 49.1kDa.

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