

Recombinant Human NOB1, His-tagged

Cat. No. NOB1-2331H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NOB1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	435aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Molecular Mass	49.1 kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAPVEHV VADAGAFLRH AALQDIGKNI YTIREVVTEI RDKATRRRLA VLPYELRFKE PLPEYVRLVT EFSKKTGDYP SLSATDIQVL ALTYQLEAEF VGVSHLKQEP QKVKVSSSIQ HPETPLHISG FHLPYKPKPP QETEKGHSAC EPENLEFSSF MFWRNPLPNI DHELQELLID

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RGEDVPSEEE EEEENG FEDR KDDSDDDGGG WITPSNIKQI QQELEQCDVP
EDVRVGCLTT DFAMQNVLLQ MGLHVLAVNG MLIREARSYI LRCHGCFKTT
SDMSRVFC SH CGNKTLLKVS VTVSDDGTLH MHFSRNPKVL NPRGLRYSLP
TPKGGKYAIN PHLTEDQRFP QLRLSQKARQ KTNVFAPDYI AGVSPFVEND
ISSRSATLQV RDSTLGAGRR RLNPNASRKK FVKKR

Purity >80% by SDS - PAGE

Applications SDS-PAGE

Storage Store it at +4°C for short term. For long term storage, store it at -20°C ~ -70°C
Avoid freeze/thaw cycles.

Concentration 1 mg/ml

GENE INFORMATION

Gene Name [NOB1 NIN1/RPN12 binding protein 1 homolog \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol NOB1

Synonyms NOB1; NIN1/RPN12 binding protein 1 homolog (S. cerevisiae); PSMD8 binding protein 1 , PSMD8BP1; RNA-binding protein NOB1; ART 4; MST158; nin one binding protein; NOB1P; protein ART-4; PSMD8 binding protein 1; phosphorylation regulatory protein HP-10; adenocarcinoma antigen recognized by T lymphocytes 4; ART-4; MSTP158; PSMD8BP1;

Gene ID [28987](#)

mRNA Refseq [NM_014062](#)

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Protein Refseq	NP_054781
MIM	613586
UniProt ID	Q9ULX3
Chromosome Location	16q22.1
Pathway	Ribosome biogenesis in eukaryotes, organism-specific biosystem; Ribosome biogenesis in eukaryotes, conserved biosystem;
Function	metal ion binding;

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