

Recombinant Full Length Human NOB1 Protein, GST-tagged

Cat. No. NOB1-6674HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NOB1 full-length ORF (NP_054781.1, 1 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	412 amino acids
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 (Lamanna and Karbstein, 2009 [PubMed 19706509]).[supplied by OMIM, Nov 2010]
Molecular Mass	73.1 kDa
AA Sequence	MAPVEHVADAGAFRLRHAALQDIGKNIYTIREVVTEIRDKATRRRLAVLPYELRFKEP LPEYVRLVTEFSKKTGDYPSLSATDIQVLALTYQLEAEFVGVSHLKQEPQKVKVSSSI QHPETPLHISGFHLPYKPKPPQETEKGHSACEPENLEFSSFMFWRNPLPNIDHELQE LLIDRGEDVPSEEEEEENGFEEDRKDDSDDDGGGWITPSNIKQIQQEQCDVPED VRVGCLTTDFAMQNVLLQMGLHVLAVNGMLIREARSYILRCHGCFKTTSDMSRVFC

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SHCGNKTLKKVSVTVSDDGTLHMHFSRNPVKVLNPRGLRYSLPTPKGGKYAINPHLT
EDQRFQQLRLSQKARQKTNVFAPDYIAGVSPFVENDISSRSATLQVRDSTLGAGRR
RLNPNASRKKFVKKR

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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