

# Recombinant Full Length Human NOB1 Protein, Flag tagged

**Cat. No.** NOB1-12HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant protein of human NIN1/RPN12 binding protein 1 homolog (S. cerevisiae) (NOB1) with C-terminal MYC/DDK tag was expressed in HEK293T.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-412aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | 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. |
| <b>Tag</b>              | C-Flag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 46.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MAPVEHVADAGAFRLRHAALQDIGKNIYTIREVVTEIRDKATRRRLAVLPYELRFKEP<br>LPEYVRLVTEFSKKTGDYPSLSATDIQVLALTYQLEAEFVGVSHLKQEPQKVKVSSSI<br>QHPETPLHISGFHLPYKPKPPQETEKGHSACEPENLEFSSFMFWRNPLPNIDHELQE<br>LLIDRGEDVPSEEEEEEEENGFEEDRKDDSDDDGGGWITPSNIKQIQQELEQCDVPED                                                                                                                                                                                                                                                                     |

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VRVGCLTTDFAMQNVLLQMGLHVLAVNGMLIREARSYILRCHGCFKTTSDMSRVFC  
SHCGNKTLKKVSVTVSDDGTLHMHFSRNPVKVLNPRGLRYSLPTPKGGKYAINPHLT  
EDQRFQQLRLSQKARQKTNVFAPDYIAGVSPFVENDISSRSATLQVRDSTLGAGRR  
RLNPNASRKKFVKKRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                       |                                                                                                                                                      |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                          |
| <b>Notes</b>          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| <b>Stability</b>      | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| <b>Storage</b>        | Store at -80 centigrade.                                                                                                                             |
| <b>Storage Buffer</b> | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol                                                                                                 |
| <b>Concentration</b>  | > 0.05 µg/µL as determined by microplate BCA method                                                                                                  |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NOB1 NIN1 (RPN12) binding protein 1 homolog [ Homo sapiens (human) ]                                                                                                                                                                                                                                                   |
| <b>Official Symbol</b> | NOB1                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | NOB1; NIN1 (RPN12) binding protein 1 homolog; ART-4; NOB1P; MST158; MSTP158; PSMD8BP1; RNA-binding protein NOB1; NIN1/PSMD8 binding protein 1 homolog; PSMD8 binding protein 1; adenocarcinoma antigen recognized by T lymphocytes 4; nin one binding protein; phosphorylation regulatory protein HP-10; protein ART-4 |

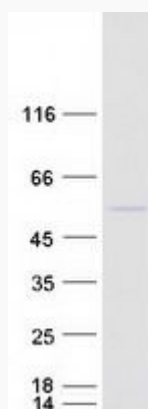
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|                |           |
|----------------|-----------|
| Gene ID        | 28987     |
| mRNA Refseq    | NM_014062 |
| Protein Refseq | NP_054781 |
| MIM            | 613586    |
| UniProt ID     | Q9ULX3    |

**Coomassie blue  
staining of purified  
NOB1 protein.**



The protein was produced from HEK293T cells transfected with NOB1 cDNA clone using MegaTran 2.0.

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