

Recombinant Human NOB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NOB1-1357H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NOB1 MS Standard C13 and N15-labeled recombinant protein (NP_054781) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	46.7 kDa
AA Sequence	MAPVEHVADAGAFRLRHAALQDIGKNIYTIREVVTEIRDKATRRRLAVLPYELRFKEP LPEYVRLVTEFSKKTGDYPSLSATDIQVLALTYQLEAEFVGVSHLKQEPQKVKVSSSI QHPETPLHISGFHLPYKPKPPQETEKGHSACEPENLEFSSFMFWRNPLPNIDHELQE LLIDRGEDVPSEEEEEENGFEEDRKDDSDDDGGGWITPSNIKQIQQEQCDVPED VRVGCLTTDFAMQNVLLQMGLHVLAVNGMLIREARSYILRCHGCFKTTSDMSRVFC SHCGNKTLKKVSVTVSDDGTLHMHF SRNPKVLNPRGLRYS LPTPKGGKYAINPHLT

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	EDQRFPLRLSQKARQKTNVFAPDYIAGVSPFVENDISSRSATLQVRDSTLGAGRR RLNPNASRKKFVKKRTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NOB1 NIN1 (RPN12) binding protein 1 homolog [Homo sapiens (human)]
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
Protein Refseq	NP_054781

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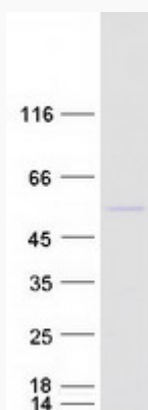
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MIM 613586

UniProt ID Q9ULX3

SDS-PAGE



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