

Product datasheet for TP309537

NOB1 (NM_014062) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human NIN1/RPN12 binding protein 1 homolog (<i>S. cerevisiae</i>) (NOB1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209537 protein sequence Red=Cloning site Green=Tags(s)

MAPVEHVADAGAFRLRHAALQDIGKNIYTIREVWTEIRDKATRRRLAVLPYELRFKEPLPEYVRLVTEFS
KKTGDYPSLSATDIQVLALTYQLEAEFVGVSHLKQEPQKVKVSSSIQHPETPLHISGFHLPYKPKPPQET
EKGHSACEPENLEFSSFMFWRNPLPNIDHELQELLIDRGEDVPSEEEEEENGFEEDRKDDSDDDGGGWIT
PSNIKQIQQELEQCDVPEDVRVGLTDFAMQNVLLQMGLHVLAVNGMLIREARSYILRCHGCFKTTSDM
SRVFCSHCGNKTLKKVSVTVSDDGTLHMHFSSRNPKVLNPRGLRYSLPTPKGGKYAINPHLTEDQRFQRLR
LSQKARQKTNVFAPDYIAGVSPFVENDISSRSATLQVRDSTLGAGRRRLNPNASRKKFVKKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	46.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_054781

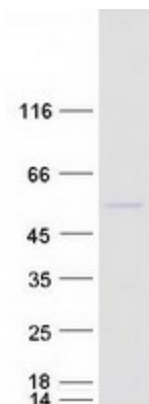


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Locus ID:	28987
UniProt ID:	Q9ULX3
RefSeq Size:	1775
Cytogenetics:	16q22.1
RefSeq ORF:	1236
Synonyms:	ART-4; MST158; MSTP158; NOB1P; PSMD8BP1

Summary: 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]

Product images:



Coomassie blue staining of purified NOB1 protein (Cat# TP309537). The protein was produced from HEK293T cells transfected with NOB1 cDNA clone (Cat# [RC209537]) using MegaTran 2.0 (Cat# [TT210002]).