

Product datasheet for PH309537

NOB1 (NM_014062) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NOB1 MS Standard C13 and N15-labeled recombinant protein (NP_054781)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209537
Predicted MW:	46.7 kDa
Protein Sequence:	>RC209537 protein sequence Red=Cloning site Green=Tags(s)

MAPVEHVADAGAFRLRHAALQDIGKNIYTIREVVTEIRDKATRRRLAVLPYELRFKEPLPEYVRLVTEFS
KKTGDYPSLSATDIQVLALTYQLEAEFVGVSHLKQEPQKVKVSSSIQHPETPLHISGFHLPYKPKPPQET
EKGHSACEPENLEFSSFMFWRNPLPNIDHELQELLIDRGEDVPSEEEEEENG FEDRKDDSDDDGGGWIT
PSNIKQIQEIQCDVPEDVVRVGLTDFAMQNVLLQMGLHVLAVNGMLIREARSYILRCHGCFKTTSDM
SRVFCSHCGNKTLKKVSVTVSDDGTLHMHF SRNPKVLNPRGLRYS LPTPKGGKYA INPHL TEDQRFPQLR
LSQKARQKTNVFPDYIAGVSPFVENDISSRSATLQVRDSTLGAGRRRLNPNASRKKFVKKR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_054781</u>
RefSeq Size:	1775
RefSeq ORF:	1236
Synonyms:	ART-4; MST158; MSTP158; NOB1P; PSMD8BP1
Locus ID:	28987



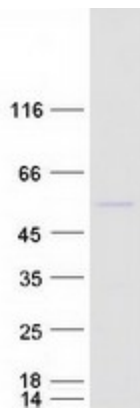
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UniProt ID: [Q9ULX3](#)

Cytogenetics: 16q22.1

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]).