NOB1 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	NOB1, Recombinant Protein
Full Product Name	Recombinant Human NOB1
Product Gene Name	NOB1 recombinant protein
Product Synonym Names	ART 4; ART4; MST158; MSTP158; NOB1; NOB1P; Protein ART 4; PSMD8BP1; RNA binding protein NOB1
Host	E Coli
Form/Format	Lyophilized from a 0.2um filtered solution in PBS with 5% trehalose, pH7.4
Purity/Purification	Greater than 70% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	46,675 Da
Sequence Positions	260-412
OMIM	613586
3D Structure	ModBase 3D Structure for Q9ULX3
Species	Human
Tag	N-terminal His-IF2DI Tag
Reconstitution	Centrifuge the vial at 10,000rpm for 1 minute, reconstitute at 200ug/ml in sterile distilled water
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for NOB1 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for NOB1 recombinant protein	MBS7613257 is a recombinant protein targeting NOB1. Also known as Recombinant Human NOB1. Host: E Coli.
Other Notes	Small volumes of NOB1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NOB1. It may not necessarily be applicable to this product.

NCBI GI #	7661532
NCBI GeneID	28987
NCBI Accession #	NP_054781.1
UniProt Primary Accession #	Q9ULX3
UniProt Secondary Accession #	Q7L6B7; Q7M4M4; Q7Z4B5; Q9NWB0
UniProt Related Accession #	Q9ULX3
GenBank Nucleotide #	NM_014062.2

NCBI Official Full Name	RNA-binding protein NOB1
NCBI Official Synonym Full Names	NIN1/RPN12 binding protein 1 homolog (S. cerevisiae)
NCBI Official Symbol	NOB1
NCBI Official Synonym Symbols	ART-4; NOB1P; MST158; MSTP158; PSMD8BP1
UniProt Protein Name	RNA-binding protein NOB1
UniProt Synonym Protein Names	Phosphorylation regulatory protein HP-10; Protein ART-4
Protein Family	20S-pre-rRNA D-site endonuclease
UniProt Gene Name	NOB1
UniProt Synonym Gene Names	ART4; NOB1P; PSMD8BP1
UniProt Entry Name	NOB1_HUMAN
NCBI Protein Information	RNA-binding protein NOB1; PSMD8 binding protein 1; adenocarcinoma antigen recognized by T lymphocytes 4; nin one binding protein; phosphorylation regulatory protein HP-10; protein ART-4
NCBI Summary for NOB1	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]
UniProt Comments for NOB1	NOB1P: May play a role in mRNA degradation. Belongs to the NOB1 family. Protein type: RNA processing Chromosomal Location of Human Ortholog: 16q22.3 Cellular Component: nucleus Molecular Function: metal ion binding Biological Process: visual perception
Research Articles on NOB1	**1.** NOB1 depletion may inhibit osteosarcoma development by increasing E-cadherin and beta-catenin expression.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/nob1/7613257