ART4 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	ART4, Recombinant Protein
Full Product Name	Recombinant Human ART4 protein (GST,His tag)
Product Gene Name	ART4 recombinant protein
Product Synonym Names	NOB1; Protein ART-4; RNA-binding protein NOB1
Sequence	Pro211-Arg 412
Host	E coli
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.
Molecular Weight	46,675 Da
OMIM	613586
3D Structure	ModBase 3D Structure for Q9ULX3
Species	Human
Tag	N-GST & C-His
Endotoxin	<10EU/mg of the protein as determined by the LAL method.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5mg/mL. Concentration is measured by UV-Vis.
Product Categories/Family for ART4 recombinant protein	Proteins; Recombinant Proteins; Others; Epigenetics and Nuclear signaling
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ART4 recombinant protein	MBS2580718 is a recombinant protein targeting ART4. Also known as Recombinant Human ART4 protein (GST,His tag). Host: E coli. May play a role in mRNA degradation (Probable).
Other Notes	Small volumes of ART4 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 ART4. 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	Ecto-ADP-ribosyltransferase
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 ART4	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 ART4	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 ART4	**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.
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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.

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