NOLC1 Blocking Peptide – >85% Purity

PRODUCT OVERVIEW

Product Name	NOLC1, Blocking Peptide
Full Product Name	NOLC1 Blocking Peptide
Product Gene Name	NOLC1 blocking peptide
Product Synonym Names	KIAA0035; NS5ATP13; Nucleolar and coiled-body phosphoprotein 1; 140 kDa nucleolar phosphoprotein; Nopp140; Hepatitis C virus NS5A-transactivated protein 13; HCV NS5A-transactivated protein 13; Nucleolar 130 kDa protein; Nucleolar phosphoprotein p130
Host	Synthetic
Species Reactivity	Human, Mouse, Rat, Bovine
Form/Format	Lyophilized powder
Purity/Purification	>85%
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Antibody/Peptide Pairs	NOLC1 peptide (MBS823344) is used for blocking the activity of NOLC1 antibody (MBS820956)
Molecular Weight	73,745 Da
OMIM	602394
Quality Control	The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.
Applications Tested/Suitable for NOLC1 blocking peptide	Blocking (BL)
Application Notes for NOLC1 blocking peptide	Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4 degree C for overnight or at room temperature for 2 hours.
Related Product Information for NOLC1 blocking peptide	MBS823344 is a blocking peptide targeting NOLC1. Reactive in Human, Mouse, Rat, Bovine. Host: Synthetic. The peptide is used to block Anti-NOLC1 Antibody reactivity.
Other Notes	Small volumes of NOLC1 blocking peptide 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 NOLC1. It may not necessarily be applicable to this product.

NCBI GI #	548923888
NCBI GeneID	9221
NCBI Accession #	NP_001271317.1
UniProt Primary Accession #	Q14978
UniProt Secondary Accession #	Q15030; Q5VV70; Q9BUV3
UniProt Related Accession #	Q14978
GenBank Nucleotide #	NM_001284388.1
NCBI Official Full Name	nucleolar and coiled-body phosphoprotein 1 isoform 1

NCBI Official Synonym Full Names	nucleolar and coiled-body phosphoprotein 1
NCBI Official Symbol	NOLC1
NCBI Official Synonym Symbols	P130; NOPP130; NOPP140; NS5ATP13
UniProt Protein Name	Nucleolar and coiled-body phosphoprotein 1
UniProt Synonym Protein Names	140 kDa nucleolar phosphoprotein; Nopp140; Hepatitis C virus NS5A-transactivated protein 13; HCV NS5A-transactivated protein 13; Nucleolar 130 kDa protein; Nucleolar phosphoprotein p130
Protein Family	Nucleolar and coiled-body phosphoprotein
UniProt Gene Name	NOLC1
UniProt Synonym Gene Names	KIAA0035; NS5ATP13; Nopp140; HCV NS5A-transactivated protein 13
UniProt Entry Name	NOLC1_HUMAN
NCBI Protein Information	nucleolar and coiled-body phosphoprotein 1; nucleolar protein p130; nucleolar 130 kDa protein; nucleolar phosphoprotein p130; 140 kDa nucleolar phosphoprotein; HCV NS5A-transactivated protein 13; HCV NS5A trans-regulated protein 13; nucleolar and coiled-body phosphprotein 1; hepatitis C virus NS5A-transactivated protein 13
UniProt Comments for NOLC1	NOLC1: Related to nucleologenesis, may play a role in the maintenance of the fundamental structure of the fibrillar center and dense fibrillar component in the nucleolus. It has intrinsic GTPase and ATPase activities. May play an important role in transcription catalyzed by RNA polymerase I. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription, coactivator/corepressor; RNA-binding; Nucleolus Chromosomal Location of Human Ortholog: 10q24.32 Cellular Component: nucleoplasm; Cajal body; cytoplasm; nucleolus Molecular Function: protein binding; GTP binding; ATP binding Biological Process: mitosis; cell cycle; rRNA processing; nucleolus organization and biogenesis
Research Articles on NOLC1	**1.** our study demonstrated that DNA methylation is a key mechanism of silenced NOLC1 expression in human hepatocellular carcinoma cells, and NOLC1 gene hypermethylation of the four CpG dinucleotides is a potential biomarker for hepatocellular carcinoma.
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.