NOL7 siRNA – Nucleolar Protein 7 (Human)

PRODUCT OVERVIEW

Product Name	NOL7, siRNA
Full Product Name	NOL7 siRNA (Human)
Product Gene Name	NOL7 sirna
Product Synonym Names	C6orf90; NOP27; Nucleolar protein 7; Nucleolar protein of 27 kDa
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	NOL7 siRNA (Human) is a target-specific 19-23 nt siRNA oligo duplexes designed to knock down gene expression.
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Molecular Weight	16,329 Da
OMIM	611533
3D Structure	ModBase 3D Structure for Q9UMY1
Negative Control	siRNA Negative Control (Catalog# MBS8241404) is a non-targeting 21 nt siRNA recommended as a negative control for experiments using targeted siRNA transfection.
Quality Control	Oligonucleotide synthesis is monitored base by base through trityl analysis to ensure appropriate coupling efficiency. The oligo is subsequently purified by affinity-solid phase extraction. The annealed RNA duplex is further analyzed by mass spectrometry to verify the exact composition of the duplex. Each lot is compared to the previous lot by mass spectrometry to ensure maximum lot-to-lot consistency.
Directions for Use	We recommends transfection with 100 nM siRNA 48 to 72 hours prior to cell lysis. Before resuspending, briefly centrifuge the tube to ensure the lyophilized siRNA is at the bottom of the tube. Resuspend the siRNA oligos to an appropriate concentration with DEPC water. For each vial, suitable for 250 transfections in 24 well plate (20 pmol for each well).
Components	We offer pre-designed sets of 3 different target-specific siRNA oligo duplexes of human NOL7 gene. Each vial contains 5 nmol of lyophilized siRNA. The duplexes can be transfected individually or pooled together to achieve knockdown of the target gene, which is most commonly assessed by qPCR or western blot. Our siRNA oligos are also chemically modified (2'-OMe) at no extra charge for increased stability and enhanced knockdown in vitro and in vivo.
Applications Tested/Suitable for NOL7 sirna	RNA Interference (RNAi)
Related Product Information for NOL7 sirna	MBS8211902 is an siRNA targeting NOL7. Also known as NOL7 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit NOL7 expression using RNA interference
Other Notes	Small volumes of NOL7 sirna 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 NOL7. It may not necessarily be applicable to this product.

NCBI GI #	13569843
NCBI GeneID	51406
NCBI Accession #	NP_057251.2
UniProt Primary Accession #	Q9UMY1
UniProt Secondary Accession #	Q5T297; Q9Y3U7
UniProt Related Accession #	Q9UMY1
GenBank Nucleotide #	NM_016167.3
NCBI Official Full Name	nucleolar protein 7
NCBI Official Synonym Full Names	nucleolar protein 7, 27kDa
NCBI Official Symbol	NOL7
NCBI Official Synonym Symbols	PQBP3; RARG-1; C6orf90; dJ223E5.2
UniProt Protein Name	Nucleolar protein 7
UniProt Synonym Protein Names	Nucleolar protein of 27 kDa
Protein Family	Nucleolar protein
UniProt Gene Name	NOL7
UniProt Synonym Gene Names	C6orf90; NOP27
UniProt Entry Name	NOL7_HUMAN
NCBI Protein Information	nucleolar protein 7
UniProt Comments for NOL7	NOL7: 2 isoforms of the human protein are produced by alternative splicing. Protein type: Nucleolus Chromosomal Location of Human Ortholog: 6p23 Cellular Component: mitochondrion; nucleolus; nucleus
Research Articles on NOL7	**1.** NOL7 is the legitimate tumor suppressor gene located on 6p23.
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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