NPIPB5 siRNA – Nuclear Pore Complex Interacting Protein Family Member (Human)

PRODUCT OVERVIEW

Product Name	NPIPB5, siRNA
Full Product Name	NPIPB5 siRNA (Human)
Product Gene Name	NPIPB5 sirna
Product Synonym Names	Nuclear pore complex-interacting protein family member B5
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	NPIPB5 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	126,459 Da
3D Structure	ModBase 3D Structure for A8MRT5
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 NPIPB5 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 NPIPB5 sirna	RNA Interference (RNAi)
Related Product Information for NPIPB5 sirna	MBS8205090 is an siRNA targeting NPIPB5. Also known as NPIPB5 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit NPIPB5 expression using RNA interference
Other Notes	Small volumes of NPIPB5 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 NPIPB5. It may not necessarily be applicable to this product.

NCBI GI #	209529739

NCBI GeneID	100132247
NCBI Accession #	NP_001129337.1
UniProt Primary Accession #	A8MRT5
UniProt Secondary Accession #	B4DK13
GenBank Nucleotide #	NM_001135865.1
NCBI Official Full Name	nuclear pore complex interacting protein family member
NCBI Official Synonym Full Names	nuclear pore complex interacting protein family, member B5
NCBI Official Symbol	NPIPB5
UniProt Protein Name	Nuclear pore complex-interacting protein family member B5
Protein Family	Nuclear pore complex-interacting protein family
UniProt Gene Name	NPIPB5
UniProt Entry Name	NPIB5_HUMAN
NCBI Protein Information	nuclear pore complex interacting protein family member
UniProt Comments for NPIPB5	LOC100132247: Belongs to the NPIP family. Chromosomal Location of Human Ortholog: 16p12.2
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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