SIRPD siRNA – Signal-Regulatory Protein Delta (Human)

PRODUCT OVERVIEW

Product Name	SIRPD, siRNA
Full Product Name	SIRPD siRNA (Human)
Product Gene Name	SIRPD sirna
Product Synonym Names	PTPNS1L2; Signal-regulatory protein delta; SIRP-delta; Protein tyrosine phosphatase non-receptor type substrate 1-like 2
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	SIRPD 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	21,687 Da
3D Structure	ModBase 3D Structure for Q9H106
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 SIRPD 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 SIRPD sirna	RNA Interference (RNAi)
Related Product Information for SIRPD sirna	MBS8235806 is an siRNA targeting SIRPD. Also known as SIRPD siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit SIRPD expression using RNA interference
Other Notes	Small volumes of SIRPD 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 SIRPD. It may not necessarily be applicable to this product.

NCBI GI #	258547137

NCBI GeneID	128646
NCBI Accession #	NP_848555.2
UniProt Primary Accession #	Q9H106
UniProt Secondary Accession #	Q5TFQ6; B3KS88
UniProt Related Accession #	Q9H106
GenBank Nucleotide #	NM_178460.2
NCBI Official Full Name	signal-regulatory protein delta
NCBI Official Synonym Full Names	signal-regulatory protein delta
NCBI Official Symbol	SIRPD
NCBI Official Synonym Symbols	PTPNS1L2; dJ576H24.4
UniProt Protein Name	Signal-regulatory protein delta
UniProt Synonym Protein Names	Protein tyrosine phosphatase non-receptor type substrate 1-like 2
Protein Family	Signal-regulatory protein
UniProt Gene Name	SIRPD
UniProt Synonym Gene Names	PTPNS1L2; SIRP-delta
UniProt Entry Name	SIRPD_HUMAN
NCBI Protein Information	signal-regulatory protein delta
UniProt Comments for SIRPD	SIRPD: Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 20p13 Cellular Component: extracellular region
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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