SH2D6 siRNA – SH2 Domain-Containing Protein 6 (Human)

PRODUCT OVERVIEW

Product Name	SH2D6, siRNA
Full Product Name	SH2D6 siRNA (Human)
Product Gene Name	SH2D6 sirna
Product Synonym Names	SH2 domain-containing protein 6
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	SH2D6 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	15,393 Da
3D Structure	ModBase 3D Structure for Q7Z4S9
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 SH2D6 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 SH2D6 sirna	RNA Interference (RNAi)
Related Product Information for SH2D6 sirna	MBS8219053 is an siRNA targeting SH2D6. Also known as SH2D6 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit SH2D6 expression using RNA interference
Other Notes	Small volumes of SH2D6 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 SH2D6. It may not necessarily be applicable to this product.

NCBI GI #	38348280

NCBI GeneID	284948
NCBI Accession #	NP_940884.1
UniProt Primary Accession #	Q7Z4S9
UniProt Secondary Accession #	Q6R306; A6ND14
UniProt Related Accession #	Q7Z4S9
GenBank Nucleotide #	NM_198482.1
NCBI Official Full Name	SH2 domain-containing protein 6
NCBI Official Synonym Full Names	SH2 domain containing 6
NCBI Official Symbol	SH2D6
UniProt Protein Name	SH2 domain-containing protein 6
Protein Family	SH2 domain-containing protein
UniProt Gene Name	SH2D6
UniProt Entry Name	SH2D6_HUMAN
NCBI Protein Information	SH2 domain-containing protein 6
UniProt Comments for SH2D6	SH2D6: 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 2p11.2
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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