CHADL siRNA – Chondroadherin-Like Protein (Human)

PRODUCT OVERVIEW

Product Name	CHADL, siRNA
Full Product Name	CHADL siRNA (Human)
Product Gene Name	CHADL sirna
Product Synonym Names	SLRR4B; Chondroadherin-like protein
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	CHADL 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	74,155 Da
OMIM	616236
3D Structure	ModBase 3D Structure for Q6NUI6
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 CHADL 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 CHADL sirna	RNA Interference (RNAi)
Related Product Information for CHADL sirna	MBS8237312 is an siRNA targeting CHADL. Also known as CHADL siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit CHADL expression using RNA interference
Other Notes	Small volumes of CHADL 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 CHADL. It may not necessarily be applicable to this product.

NCBI GI #	194440719
NCBI GeneID	150356
NCBI Accession #	NP_612490.1
UniProt Primary Accession #	Q6NUI6
UniProt Secondary Accession #	Q05CY2; Q4G0S0; Q5JY13; Q86XY1; Q96E60
UniProt Related Accession #	Q6NUI6
GenBank Nucleotide #	NM_138481.1
NCBI Official Full Name	chondroadherin-like protein
NCBI Official Synonym Full Names	chondroadherin-like
NCBI Official Symbol	CHADL
NCBI Official Synonym Symbols	SLRR4B
UniProt Protein Name	Chondroadherin-like protein
Protein Family	Chondroadherin-like protein
UniProt Gene Name	CHADL
UniProt Synonym Gene Names	SLRR4B
UniProt Entry Name	CHADL_HUMAN
NCBI Protein Information	chondroadherin-like protein
UniProt Comments for CHADL	CHADL: Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class IV subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 22q13.2 Cellular Component: extracellular matrix; proteinaceous extracellular matrix
Research Articles on CHADL	**1.** CHADL appears to have a negative regulatory role, possibly ensuring the formation of a stable extracellular matrix.
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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