CLEC14A siRNA – C-Type Lectin Domain Family 14 Member A (Mouse)

PRODUCT OVERVIEW

Product Name	CLEC14A, siRNA
Full Product Name	CLEC14A siRNA (Mouse)
Product Gene Name	CLEC14A sirna
Product Synonym Names	C-type lectin domain family 14 member A
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	CLEC14A siRNA (Mouse) 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	49,066 Da
3D Structure	ModBase 3D Structure for Q8VCP9
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 mouse CLEC14A 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 CLEC14A sirna	RNA Interference (RNAi)
Related Product Information for CLEC14A sirna	MBS8233694 is an siRNA targeting CLEC14A. Also known as CLEC14A siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit CLEC14A expression using RNA interference
Other Notes	Small volumes of CLEC14A 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 CLEC14A. It may not necessarily be applicable to this product.

NCBI GI #	31541811

NCBI GeneID	66864
NCBI Accession #	NP_080085.3
UniProt Primary Accession #	Q8VCP9
UniProt Secondary Accession #	Q3TP72; Q9CXA8; Q9D624; Q9DC55
UniProt Related Accession #	Q8VCP9
GenBank Nucleotide #	NM_025809.5
NCBI Official Full Name	C-type lectin domain family 14 member A
NCBI Official Synonym Full Names	C-type lectin domain family 14, member a
NCBI Official Symbol	Clec14a
NCBI Official Synonym Symbols	AI642649; 1200003C23Rik
UniProt Protein Name	C-type lectin domain family 14 member A
Protein Family	C-type lectin domain family
UniProt Gene Name	Clec14a
UniProt Entry Name	CLC14_MOUSE
NCBI Protein Information	C-type lectin domain family 14 member A
UniProt Comments for CLEC14A	CLEC14A: Protein type: Protease; Membrane protein, integral Cellular Component: membrane; integral to membrane Molecular Function: carbohydrate binding
Research Articles on CLEC14A	**1.** clec14a-CTLD may be a key domain in angiogenesis
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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