CNIH4 siRNA – Protein Cornichon Homolog 4 Isoform 2 (Human)

PRODUCT OVERVIEW

Product Name	CNIH4, siRNA
Full Product Name	CNIH4 siRNA (Human)
Product Gene Name	CNIH4 sirna
Product Synonym Names	Protein cornichon homolog 4; CNIH-4; Cornichon family AMPA receptor auxiliary protein 4
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	CNIH4 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	10,615 Da
3D Structure	ModBase 3D Structure for Q9P003
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 CNIH4 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 CNIH4 sirna	RNA Interference (RNAi)
Related Product Information for CNIH4 sirna	MBS8207752 is an siRNA targeting CNIH4. Also known as CNIH4 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit CNIH4 expression using RNA interference
Other Notes	Small volumes of CNIH4 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 CNIH4. It may not necessarily be applicable to this product.

NCBI GI #	467093527

NCBI GeneID	29097
NCBI Accession #	NP_001264126.1
UniProt Primary Accession #	Q9P003
UniProt Secondary Accession #	Q9H0X8; A8K1Q8; B2R553
UniProt Related Accession #	Q9P003
GenBank Nucleotide #	NM_001277197.1
NCBI Official Full Name	protein cornichon homolog 4 isoform 2
NCBI Official Synonym Full Names	cornichon family AMPA receptor auxiliary protein 4
NCBI Official Symbol	CNIH4
NCBI Official Synonym Symbols	CNIH-4; HSPC163
UniProt Protein Name	Protein cornichon homolog 4
UniProt Synonym Protein Names	Cornichon family AMPA receptor auxiliary protein 4
UniProt Gene Name	CNIH4
UniProt Synonym Gene Names	CNIH-4
UniProt Entry Name	CNIH4_HUMAN
NCBI Protein Information	protein cornichon homolog 4
UniProt Comments for CNIH4	CNIH4: Belongs to the cornichon family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 1q42.11 Cellular Component: endoplasmic reticulum; integral to membrane
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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