CCNI siRNA – Cyclin-I (Mouse)

PRODUCT OVERVIEW

Product Name	CCNI, siRNA
Full Product Name	CCNI siRNA (Mouse)
Product Gene Name	CCNI sirna
Product Synonym Names	Cyclin-I
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	CCNI 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	42,197 Da
3D Structure	ModBase 3D Structure for Q9Z2V9
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 CCNI 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 CCNI sirna	RNA Interference (RNAi)
Related Product Information for CCNI sirna	MBS8236884 is an siRNA targeting CCNI. Also known as CCNI siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit CCNI expression using RNA interference
Other Notes	Small volumes of CCNI 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 CCNI. It may not necessarily be applicable to this product.

NCBI GI #	227116332

NCBI GeneID	12453
NCBI Accession #	NP_059063.2
UniProt Primary Accession #	Q9Z2V9
UniProt Secondary Accession #	G3X985
UniProt Related Accession #	Q9Z2V9
GenBank Nucleotide #	NM_017367.3
NCBI Official Full Name	cyclin-I
NCBI Official Synonym Full Names	cyclin I
NCBI Official Symbol	Ccni
UniProt Protein Name	Cyclin-I
Protein Family	Cyclin
UniProt Gene Name	Ccni
UniProt Entry Name	CCNI_MOUSE
NCBI Protein Information	cyclin-I
UniProt Comments for CCNI	CCNI: belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin shows the highest similarity with cyclin G. The transcript of this gene was found to be expressed constantly during cell cycle progression. The function of this cyclin has not yet been determined. [provided by RefSeq, Jul 2008] Protein type: Cell cycle regulation Molecular Function: cyclin-dependent protein kinase regulator activity Biological Process: regulation of cell cycle; regulation of protein kinase activity
Research Articles on CCNI	**1.** Subcellular localization of Cdk5 is determined by its specific activators, cyclin I and p35.
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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