CSRNP2 siRNA – Cysteine/Serine-Rich Nuclear Protein 2 (Human)

PRODUCT OVERVIEW

Product Name	CSRNP2, siRNA
Full Product Name	CSRNP2 siRNA (Human)
Product Gene Name	CSRNP2 sirna
Product Synonym Names	C12orf22; FAM130A1; TAIP12; Cysteine/serine-rich nuclear protein 2; CSRNP-2; Protein FAM130A1; TGF-beta-induced apoptosis protein 12; TAIP-12
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	CSRNP2 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	59,591 Da
3D Structure	ModBase 3D Structure for Q9H175
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 CSRNP2 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 CSRNP2 sirna	RNA Interference (RNAi)
Related Product Information for CSRNP2 sirna	MBS8237067 is an siRNA targeting CSRNP2. Also known as CSRNP2 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit CSRNP2 expression using RNA interference
Other Notes	Small volumes of CSRNP2 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 CSRNP2. It may not necessarily be applicable to this product.

NCBI GI #	13540602
NCBI GeneID	81566
NCBI Accession #	NP_110436.1
UniProt Primary Accession #	Q9H175
UniProt Related Accession #	Q9H175
GenBank Nucleotide #	NM_030809.2
NCBI Official Full Name	cysteine/serine-rich nuclear protein 2
NCBI Official Synonym Full Names	cysteine-serine-rich nuclear protein 2
NCBI Official Symbol	CSRNP2
NCBI Official Synonym Symbols	C12orf2; PPP1R72; TAIP-12; C12orf22; FAM130A1
UniProt Protein Name	Cysteine/serine-rich nuclear protein 2
UniProt Synonym Protein Names	Protein FAM130A1; TGF-beta-induced apoptosis protein 12; TAIP-12
Protein Family	Cysteine/serine-rich nuclear protein
UniProt Gene Name	CSRNP2
UniProt Synonym Gene Names	C12orf22; FAM130A1; TAIP12; CSRNP-2; TAIP-12
UniProt Entry Name	CSRN2_HUMAN
NCBI Protein Information	cysteine/serine-rich nuclear protein 2
NCBI Summary for CSRNP2	The protein encoded by this gene belongs to the CSRNP family of nuclear proteins that share conserved regions, including cysteine- and serine- rich regions, a basic domain, a transcriptional activation domain, and bind the sequence 'AGAGTG', thus have the hallmark of transcription factors. Studies in mice suggest that these genes may have redundant functions. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2011]
UniProt Comments for CSRNP2	TAIP12: Binds to the consensus sequence 5'-AGAGTG-3' and has transcriptional activator activity. May play a role in apoptosis. Belongs to the AXUD1 family. Chromosomal Location of Human Ortholog: 12q13.11-q13.12 Cellular Component: nucleus Molecular Function: protein binding; sequence-specific DNA binding; transcription factor activity; phosphatase binding Biological Process: transcription, DNA-dependent; apoptosis; positive regulation of transcription from RNA polymerase II promoter
Research Articles on CSRNP2	**1.** Observational study of gene-disease association. (HuGE Navigator)
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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