CABS1 siRNA – Calcium-Binding and Spermatid-Specific Protein 1 (Human)

PRODUCT OVERVIEW

Product Name	CABS1, siRNA
Full Product Name	CABS1 siRNA (Human)
Product Gene Name	CABS1 sirna
Product Synonym Names	C4orf35; Calcium-binding and spermatid-specific protein 1; Testis development protein NYD-SP26
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	CABS1 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	43,003 Da
3D Structure	ModBase 3D Structure for Q96KC9
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 CABS1 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 CABS1 sirna	RNA Interference (RNAi)
Related Product Information for CABS1 sirna	MBS8208708 is an siRNA targeting CABS1. Also known as CABS1 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit CABS1 expression using RNA interference
Other Notes	Small volumes of CABS1 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 CABS1. It may not necessarily be applicable to this product.

NCBI GI #	90652863

NCBI GeneID	85438
NCBI Accession #	NP_149113.3
UniProt Primary Accession #	Q96KC9
UniProt Secondary Accession #	Q86UE0; Q96M17; B2RCB5
UniProt Related Accession #	Q96KC9
GenBank Nucleotide #	NM_033122.3
NCBI Official Full Name	calcium-binding and spermatid-specific protein 1
NCBI Official Synonym Full Names	calcium-binding protein, spermatid-specific 1
NCBI Official Symbol	CABS1
NCBI Official Synonym Symbols	CLPH; C4orf35; NYD-SP26
UniProt Protein Name	Calcium-binding and spermatid-specific protein 1
UniProt Synonym Protein Names	Testis development protein NYD-SP26
Protein Family	Calcium-binding and spermatid-specific protein
UniProt Gene Name	CABS1
UniProt Synonym Gene Names	C4orf35
UniProt Entry Name	CABS1_HUMAN
NCBI Protein Information	calcium-binding and spermatid-specific protein 1
UniProt Comments for CABS1	CLPH: Protein type: Mitochondrial; Calcium-binding Chromosomal Location of Human Ortholog: 4q13.3 Cellular Component: mitochondrial inner membrane Molecular Function: calcium ion binding Biological Process: spermatogenesis
Research Articles on CABS1	**1.** Human CABS1 has a peptide motif homologous to the anti-inflammatory peptide sequence of rat SMR1.
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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