GCSAML siRNA – Germinal Center-Associated Signaling and Motility-Like Protein Isoform B (Human)

PRODUCT OVERVIEW

Product Name	GCSAML, siRNA
Full Product Name	GCSAML siRNA (Human)
Product Gene Name	GCSAML sirna
Product Synonym Names	C1orf150; Germinal center-associated signaling and motility-like protein
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	GCSAML 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	13,445 Da
3D Structure	ModBase 3D Structure for Q5JQS6
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 GCSAML 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 GCSAML sirna	RNA Interference (RNAi)
Related Product Information for GCSAML sirna	MBS8209408 is an siRNA targeting GCSAML. Also known as GCSAML siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit GCSAML expression using RNA interference
Other Notes	Small volumes of GCSAML 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 GCSAML. It may not necessarily be applicable to this product.

NCBI GI #	530227767
NCBI GeneID	148823
NCBI Accession #	NP_001268763.1
UniProt Primary Accession #	Q5JQS6
UniProt Secondary Accession #	Q5JQT3; B2R4Y5; B3KX46
UniProt Related Accession #	Q5JQS6
GenBank Nucleotide #	NM_001281834.1
NCBI Official Full Name	germinal center-associated signaling and motility-like protein isoform b
NCBI Official Synonym Full Names	germinal center-associated, signaling and motility-like
NCBI Official Symbol	GCSAML
NCBI Official Synonym Symbols	C1orf150
UniProt Protein Name	Germinal center-associated signaling and motility-like protein
Protein Family	Germinal center-associated signaling and motility-like protein
UniProt Gene Name	GCSAML
UniProt Synonym Gene Names	C1orf150
UniProt Entry Name	GSAML_HUMAN
NCBI Protein Information	germinal center-associated signaling and motility-like protein
NCBI Summary for GCSAML	This gene encodes a protein thought to be a signaling molecule associated with germinal centers, the sites of proliferation and differentiation of mature B lymphocytes. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
UniProt Comments for GCSAML	GCSAML: 2 isoforms of the human protein are produced by alternative splicing. Protein type: Unknown function Chromosomal Location of Human Ortholog: 1q44
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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