SCGB1D4 siRNA – Secretoglobin Family 1d Member 4 (Human)

PRODUCT OVERVIEW

Product Name	SCGB1D4, siRNA
Full Product Name	SCGB1D4 siRNA (Human)
Product Gene Name	SCGB1D4 sirna
Product Synonym Names	Secretoglobin family 1D member 4; IFN-gamma-inducible secretoglobin; IIS
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	SCGB1D4 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	9,201 Da
OMIM	615062
3D Structure	ModBase 3D Structure for Q6XE38
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 SCGB1D4 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 SCGB1D4 sirna	RNA Interference (RNAi)
Related Product Information for SCGB1D4 sirna	MBS8203069 is an siRNA targeting SCGB1D4. Also known as SCGB1D4 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit SCGB1D4 expression using RNA interference
Other Notes	Small volumes of SCGB1D4 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 SCGB1D4. It may not necessarily be applicable to this product.

NCBI GI #	46240866
NCBI GeneID	404552
NCBI Accession #	NP_996881.1
UniProt Primary Accession #	Q6XE38
UniProt Secondary Accession #	A1L4Q8
UniProt Related Accession #	Q6XE38
GenBank Nucleotide #	NM_206998.1
NCBI Official Full Name	secretoglobin family 1D member 4
NCBI Official Synonym Full Names	secretoglobin, family 1D, member 4
NCBI Official Symbol	SCGB1D4
UniProt Protein Name	Secretoglobin family 1D member 4
UniProt Synonym Protein Names	IFN-gamma-inducible secretoglobin; IIS
Protein Family	Secretoglobin family
UniProt Gene Name	SCGB1D4
UniProt Synonym Gene Names	IIS
UniProt Entry Name	SG1D4_HUMAN
NCBI Protein Information	secretoglobin family 1D member 4
UniProt Comments for SCGB1D4	SCGB1D4: Seems to be involved in the regulation of chemotactic cell migration and invasion. Belongs to the secretoglobin family. Lipophilin subfamily. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 11q12.3 Cellular Component: extracellular region
Research Articles on SCGB1D4	**1.** This interferon-gamma-inducible secretoglobin gene, SCGB1D4, is expressed in virtually all tissues, and the highest level of expression is detectable in lymph nodes, tonsil, cultured lymphoblasts, and the ovary.
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