TOMM20L siRNA – TOMM20-Like Protein 1 (Human)

PRODUCT OVERVIEW

Product Name	TOMM20L, siRNA
Full Product Name	TOMM20L siRNA (Human)
Product Gene Name	TOMM20L sirna
Product Synonym Names	TOMM20-like protein 1
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	TOMM20L 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	17,700 Da
3D Structure	ModBase 3D Structure for Q6UXN7
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 TOMM20L 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 TOMM20L sirna	RNA Interference (RNAi)
Related Product Information for TOMM20L sirna	MBS8213301 is an siRNA targeting TOMM20L. Also known as TOMM20L siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit TOMM20L expression using RNA interference
Other Notes	Small volumes of TOMM20L 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 TOMM20L. It may not necessarily be applicable to this product.

NCBI GI #	46409384

NCBI GeneID	387990
NCBI Accession #	NP_997260.1
UniProt Primary Accession #	Q6UXN7
UniProt Secondary Accession #	B2RPR0
UniProt Related Accession #	Q6UXN7
GenBank Nucleotide #	NM_207377.2
NCBI Official Full Name	TOMM20-like protein 1
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 20 homolog (yeast)-like
NCBI Official Symbol	TOMM20L
NCBI Official Synonym Symbols	UNQ9438
UniProt Protein Name	TOMM20-like protein 1
Protein Family	TOMM20-like protein
UniProt Gene Name	TOMM20L
UniProt Entry Name	TO20L_HUMAN
NCBI Protein Information	TOMM20-like protein 1
UniProt Comments for TOMM20L	TOMM20L: Belongs to the Tom20 family. Protein type: Membrane protein, integral; Mitochondrial Chromosomal Location of Human Ortholog: 14q23.1 Cellular Component: mitochondrial outer membrane translocase complex; integral to membrane Biological Process: protein targeting
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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