TOMM6 siRNA – Mitochondrial Import Receptor Subunit TOM6 Homolog (Mouse)

PRODUCT OVERVIEW

Product Name	TOMM6, siRNA
Full Product Name	TOMM6 siRNA (Mouse)
Product Gene Name	TOMM6 sirna
Product Synonym Names	OBTP; TOM6; Mitochondrial import receptor subunit TOM6 homolog; Overexpressed breast tumor protein homolog; Translocase of outer membrane 6 kDa subunit homolog
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	TOMM6 siRNA (Mouse) 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	7,865 Da
3D Structure	ModBase 3D Structure for Q9CQN3
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 mouse TOMM6 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 TOMM6 sirna	RNA Interference (RNAi)
Related Product Information for TOMM6 sirna	MBS8206126 is an siRNA targeting TOMM6. Also known as TOMM6 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit TOMM6 expression using RNA interference
Other Notes	Small volumes of TOMM6 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 TOMM6. It may not necessarily be applicable to this product.

NCBI GI #	258547111
NCBI GeneID	66119
NCBI Accession #	NP_001158201.1
UniProt Primary Accession #	Q9CQN3
UniProt Related Accession #	Q9CQN3
GenBank Nucleotide #	NM_001164729.1
NCBI Official Full Name	mitochondrial import receptor subunit TOM6 homolog
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 6 homolog (yeast)
NCBI Official Symbol	Tomm6
NCBI Official Synonym Symbols	AI663970; 1110002E23Rik
UniProt Protein Name	Mitochondrial import receptor subunit TOM6 homolog
UniProt Synonym Protein Names	Overexpressed breast tumor protein homolog; Translocase of outer membrane 6 kDa subunit homolog
Protein Family	Mitochondrial import receptor
UniProt Gene Name	Tomm6
UniProt Synonym Gene Names	Obtp; Tom6
UniProt Entry Name	TOM6_MOUSE
NCBI Protein Information	mitochondrial import receptor subunit TOM6 homolog
UniProt Comments for TOMM6	OBTP: Belongs to the Tom6 family. Cellular Component: mitochondrial outer membrane; mitochondrial outer membrane translocase complex; membrane; mitochondrion Biological Process: protein transport; transport
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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