TTPAL siRNA – Alpha-Tocopherol Transfer Protein-Like Isoform 2 (Mouse)

PRODUCT OVERVIEW

Product Name	TTPAL, siRNA
Full Product Name	TTPAL siRNA (Mouse)
Product Gene Name	TTPAL sirna
Product Synonym Names	Alpha-tocopherol transfer protein-like
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	TTPAL 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	19,266 Da
3D Structure	ModBase 3D Structure for Q9D3D0
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 TTPAL 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 TTPAL sirna	RNA Interference (RNAi)
Related Product Information for TTPAL sirna	MBS8216386 is an siRNA targeting TTPAL. Also known as TTPAL siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit TTPAL expression using RNA interference
Other Notes	Small volumes of TTPAL 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 TTPAL. It may not necessarily be applicable to this product.

NCBI GI #	802083927

NCBI GeneID	76080
NCBI Accession #	NP_001292732.1
UniProt Primary Accession #	Q9D3D0
UniProt Secondary Accession #	Q3U0R3; Q7TS94; A6PW51
UniProt Related Accession #	Q9D3D0
GenBank Nucleotide #	NM_001305803.1
NCBI Official Full Name	alpha-tocopherol transfer protein-like isoform 2
NCBI Official Synonym Full Names	tocopherol (alpha) transfer protein-like
NCBI Official Symbol	Ttpal
NCBI Official Synonym Symbols	3110080A02Rik; 5830472M02Rik
UniProt Protein Name	Alpha-tocopherol transfer protein-like
Protein Family	Alpha-tocopherol transfer protein
UniProt Gene Name	Ttpal
UniProt Entry Name	TTPAL_MOUSE
NCBI Protein Information	alpha-tocopherol transfer protein-like
UniProt Comments for TTPAL	TTPAL: May act as a protein that binds a hydrophobic ligand (Potential). Cellular Component: membrane; intracellular Molecular Function: transporter activity Biological Process: 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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