TUBA3B siRNA – Tubulin Alpha-3 Chain (Mouse)

PRODUCT OVERVIEW

Product Name	TUBA3B, siRNA
Full Product Name	TUBA3B siRNA (Mouse)
Product Gene Name	TUBA3B sirna
Product Synonym Names	TUBA3; TUBA7; Tubulin alpha-3 chain; Alpha-tubulin 3/7; Alpha-tubulin isotype M-alpha-3/7; Tubulin alpha-3/alpha-7 chain
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	TUBA3B 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	49,960 Da
3D Structure	ModBase 3D Structure for P05214
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 TUBA3B 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 TUBA3B sirna	RNA Interference (RNAi)
Related Product Information for TUBA3B sirna	MBS8228002 is an siRNA targeting TUBA3B. Also known as TUBA3B siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit TUBA3B expression using RNA interference
Other Notes	Small volumes of TUBA3B 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 TUBA3B. It may not necessarily be applicable to this product.

NCBI GI #	6678465
NCBI GeneID	22144
NCBI Accession #	NP_033472.1
UniProt Primary Accession #	P05214
UniProt Related Accession #	P05214
GenBank Nucleotide #	NM_009446.2
NCBI Official Full Name	tubulin alpha-3 chain
NCBI Official Synonym Full Names	tubulin, alpha 3A
NCBI Official Symbol	Tuba3a
NCBI Official Synonym Symbols	M[a]3; Tuba3; AI528779
UniProt Protein Name	Tubulin alpha-3 chain
UniProt Synonym Protein Names	Alpha-tubulin 3/7; Alpha-tubulin isotype M-alpha-3/7; Tubulin alpha-3/alpha-7 chain
UniProt Gene Name	Tuba3a
UniProt Synonym Gene Names	Tuba3
UniProt Entry Name	TBA3_MOUSE
NCBI Protein Information	tubulin alpha-3 chain
UniProt Comments for TUBA3B	TUBA3E: Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain. Dimer of alpha and beta chains. Belongs to the tubulin family. Protein type: Cytoskeletal; Motility/polarity/chemotaxis Cellular Component: microtubule; nucleus; cilium
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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