TP53TG3C siRNA – TP53-Target Gene 3 Protein (Human)

PRODUCT OVERVIEW

Product Name	TP53TG3C, siRNA
Full Product Name	TP53TG3C siRNA (Human)
Product Gene Name	TP53TG3C sirna
Product Synonym Names	TP53TG3A; TP53-target gene 3 protein; TP53-inducible gene 3 protein
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	TP53TG3C 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	10,773 Da
3D Structure	ModBase 3D Structure for Q9ULZ0
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 TP53TG3C 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 TP53TG3C sirna	RNA Interference (RNAi)
Related Product Information for TP53TG3C sirna	MBS8208870 is an siRNA targeting TP53TG3C. Also known as TP53TG3C siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit TP53TG3C expression using RNA interference
Other Notes	Small volumes of TP53TG3C 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 TP53TG3C. It may not necessarily be applicable to this product.

NCBI GI #	153791741

NCBI GeneID	729355
NCBI Accession #	NP_001093157.1
UniProt Primary Accession #	Q9ULZ0
UniProt Secondary Accession #	Q4KN31; Q9ULY9; B2R5K6
UniProt Related Accession #	Q9ULZ0
GenBank Nucleotide #	NM_001099687.3
NCBI Official Full Name	TP53-target gene 3 protein
NCBI Official Synonym Full Names	TP53 target 3B
NCBI Official Symbol	TP53TG3B
UniProt Protein Name	TP53-target gene 3 protein
UniProt Synonym Protein Names	TP53-inducible gene 3 protein
UniProt Gene Name	TP53TG3
UniProt Synonym Gene Names	TP53TG3A
UniProt Entry Name	T53G3_HUMAN
NCBI Protein Information	TP53-target gene 3 protein
UniProt Comments for TP53TG3C	TP53TG3: May play a significant role in p53/TP53-mediating signaling pathway. 3 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 16p13 Cellular Component: cytoplasm; nucleus
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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