WDR53 siRNA – Wd Repeat-Containing Protein 53 (Human)

PRODUCT OVERVIEW

Product Name	WDR53, siRNA
Full Product Name	WDR53 siRNA (Human)
Product Gene Name	WDR53 sirna
Product Synonym Names	WD repeat-containing protein 53
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	WDR53 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	38,989 Da
OMIM	615110
3D Structure	ModBase 3D Structure for Q7Z5U6
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 WDR53 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 WDR53 sirna	RNA Interference (RNAi)
Related Product Information for WDR53 sirna	MBS8229570 is an siRNA targeting WDR53. Also known as WDR53 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit WDR53 expression using RNA interference
Other Notes	Small volumes of WDR53 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 WDR53. It may not necessarily be applicable to this product.

NCBI GI #	32699064
NCBI GeneID	348793
NCBI Accession #	NP_872433.1
UniProt Primary Accession #	Q7Z5U6
UniProt Secondary Accession #	A0MNP1
UniProt Related Accession #	Q7Z5U6
GenBank Nucleotide #	NM_182627.1
NCBI Official Full Name	WD repeat-containing protein 53
NCBI Official Synonym Full Names	WD repeat domain 53
NCBI Official Symbol	WDR53
UniProt Protein Name	WD repeat-containing protein 53
Protein Family	WD repeat-containing protein
UniProt Gene Name	WDR53
UniProt Entry Name	WDR53_HUMAN
NCBI Protein Information	WD repeat-containing protein 53
NCBI Summary for WDR53	This gene encodes a protein containing WD domains. The function of this gene is unknown. [provided by RefSeq, Jul 2008]
UniProt Comments for WDR53	WDR53: a protein containing WD domains. The function of this gene is unknown. [provided by RefSeq, Jul 2008] Chromosomal Location of Human Ortholog: 3q29
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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