WDR43 siRNA – Wd Repeat-Containing Protein 43 (Mouse)

PRODUCT OVERVIEW

Product Name	WDR43, siRNA
Full Product Name	WDR43 siRNA (Mouse)
Product Gene Name	WDR43 sirna
Product Synonym Names	KIAA0007; WD repeat-containing protein 43
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	WDR43 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	75,381 Da
3D Structure	ModBase 3D Structure for Q6ZQL4
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 WDR43 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 WDR43 sirna	RNA Interference (RNAi)
Related Product Information for WDR43 sirna	MBS8219634 is an siRNA targeting WDR43. Also known as WDR43 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit WDR43 expression using RNA interference
Other Notes	Small volumes of WDR43 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 WDR43. It may not necessarily be applicable to this product.

NCBI GI #	241896997

NCBI GeneID	72515
NCBI Accession #	NP_783570.1
UniProt Primary Accession #	Q6ZQL4
UniProt Secondary Accession #	Q3U895
UniProt Related Accession #	Q6ZQL4
GenBank Nucleotide #	NM_175639.1
NCBI Official Full Name	WD repeat-containing protein 43
NCBI Official Synonym Full Names	WD repeat domain 43
NCBI Official Symbol	Wdr43
NCBI Official Synonym Symbols	Wrd43; AU020887; AV024208; mKIAA0007; 2610318G08Rik
UniProt Protein Name	WD repeat-containing protein 43
Protein Family	WD repeat-containing protein
UniProt Gene Name	Wdr43
UniProt Synonym Gene Names	Kiaa0007
UniProt Entry Name	WDR43_MOUSE
NCBI Protein Information	WD repeat-containing protein 43
UniProt Comments for WDR43	WDR43: a nuclear WD40 repeat protein. WD40 repeats are found in a number of eukaryotic proteins that coordinate multi-protein complex assemblies. WD40 proteins are implicated in many functions including adaptor/regulatory modules in signal transduction, pre-mRNA processing and cytoskeleton assembly. Protein type: Nucleolus; Unknown function Cellular Component: nucleus
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