WIZ siRNA – Protein Wiz Isoform 2 (Mouse)

PRODUCT OVERVIEW

Product Name	WIZ, siRNA
Full Product Name	WIZ siRNA (Mouse)
Product Gene Name	WIZ sirna
Product Synonym Names	Protein Wiz; Widely-interspaced zinc finger-containing protein
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	WIZ 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	88,329 Da
3D Structure	ModBase 3D Structure for O88286
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 WIZ 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 WIZ sirna	RNA Interference (RNAi)
Related Product Information for WIZ sirna	MBS8237540 is an siRNA targeting WIZ. Also known as WIZ siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit WIZ expression using RNA interference
Other Notes	Small volumes of WIZ 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 WIZ. It may not necessarily be applicable to this product.

NCBI GI #	46909563

NCBI GeneID	22404
NCBI Accession #	NP_035847.2
UniProt Primary Accession #	O88286
UniProt Secondary Accession #	O88287; Q1XG03; Q3UZX7; Q7TSJ4; Q9CT89
UniProt Related Accession #	O88286
GenBank Nucleotide #	NM_011717.4
NCBI Official Full Name	protein Wiz isoform 2
NCBI Official Synonym Full Names	widely-interspaced zinc finger motifs
NCBI Official Symbol	Wiz
UniProt Protein Name	Protein Wiz
UniProt Synonym Protein Names	Widely-interspaced zinc finger-containing protein
Protein Family	Protein
UniProt Gene Name	Wiz
UniProt Entry Name	WIZ_MOUSE
NCBI Protein Information	protein Wiz
UniProt Comments for WIZ	WIZ: May link EHMT1 and EHMT2 histone methyltransferases to the CTBP corepressor machinery. May be involved in EHMT1-EHMT2 heterodimer formation and stabilization. Belongs to the krueppel C2H2-type zinc-finger protein family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: C2H2-type zinc finger protein Cellular Component: nucleolus; nucleus Molecular Function: protein binding; metal ion binding Biological Process: protein stabilization
Research Articles on WIZ	**1.** Wiz plays a major role in G9a/GLP heterodimer formation in cultured stem cells.
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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