MEX3D siRNA – RNA-Binding Protein MEX3D (Mouse)

PRODUCT OVERVIEW

Product Name	MEX3D, siRNA
Full Product Name	MEX3D siRNA (Mouse)
Product Gene Name	MEX3D sirna
Product Synonym Names	RKHD1; RNA-binding protein MEX3D; RING finger and KH domain-containing protein 1
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	MEX3D 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	62,094 Da
3D Structure	ModBase 3D Structure for Q3UE17
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 MEX3D 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 MEX3D sirna	RNA Interference (RNAi)
Related Product Information for MEX3D sirna	MBS8230552 is an siRNA targeting MEX3D. Also known as MEX3D siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit MEX3D expression using RNA interference
Other Notes	Small volumes of MEX3D 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 MEX3D. It may not necessarily be applicable to this product.

NCBI GI #	145651818

NCBI GeneID	237400
NCBI Accession #	NP_941017.2
UniProt Primary Accession #	Q3UE17
UniProt Related Accession #	Q3UE17
GenBank Nucleotide #	NM_198615.2
NCBI Official Full Name	RNA-binding protein MEX3D
NCBI Official Synonym Full Names	mex3 homolog D (C. elegans)
NCBI Official Symbol	Mex3d
NCBI Official Synonym Symbols	Rkhd1; BC059858
UniProt Protein Name	RNA-binding protein MEX3D
UniProt Synonym Protein Names	RING finger and KH domain-containing protein 1
Protein Family	RNA-binding protein
UniProt Gene Name	Mex3d
UniProt Synonym Gene Names	Rkhd1
UniProt Entry Name	MEX3D_MOUSE
NCBI Protein Information	RNA-binding protein MEX3D
UniProt Comments for MEX3D	RKHD1: RNA binding protein, may be involved in post- transcriptional regulatory mechanisms. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin conjugating system; RNA-binding Cellular Component: perinuclear region of cytoplasm; cytoplasm; nucleus Molecular Function: mRNA 3'-UTR binding; nucleic acid binding; zinc ion binding; RNA binding; metal ion binding; AU-rich element binding Biological Process: mRNA catabolic process; RNA destabilization
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