PLEKHB2 siRNA – Pleckstrin Homology Domain-Containing Family B Member 2 Isoform 1 (Mouse)

PRODUCT OVERVIEW

Product Name	PLEKHB2, siRNA
Full Product Name	PLEKHB2 siRNA (Mouse)
Product Gene Name	PLEKHB2 sirna
Product Synonym Names	EVT2; Pleckstrin homology domain-containing family B member 2; PH domain-containing family B member 2; Evectin-2
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	PLEKHB2 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	22,923 Da
3D Structure	ModBase 3D Structure for Q9QZC7
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 PLEKHB2 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 PLEKHB2 sirna	RNA Interference (RNAi)
Related Product Information for PLEKHB2 sirna	MBS8217118 is an siRNA targeting PLEKHB2. Also known as PLEKHB2 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit PLEKHB2 expression using RNA interference
Other Notes	Small volumes of PLEKHB2 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 PLEKHB2. It may not necessarily be applicable to this product.

NCBI GI #	21704016
NCBI GeneID	226971
NCBI Accession #	NP_663491.1
UniProt Primary Accession #	Q9QZC7
UniProt Secondary Accession #	Q3UDH6; Q8C4I4; Q8CA27
UniProt Related Accession #	Q9QZC7
GenBank Nucleotide #	NM_145516.2
NCBI Official Full Name	pleckstrin homology domain-containing family B member 2 isoform 1
NCBI Official Synonym Full Names	pleckstrin homology domain containing, family B (evectins) member 2
NCBI Official Symbol	Plekhb2
NCBI Official Synonym Symbols	Evt2; Phdc; evt-2; AU018239; 2310009M15Rik
UniProt Protein Name	Pleckstrin homology domain-containing family B member 2
UniProt Synonym Protein Names	Evectin-2
Protein Family	Pleckstrin homology domain-containing family
UniProt Gene Name	Plekhb2
UniProt Synonym Gene Names	Evt2; PH domain-containing family B member 2
UniProt Entry Name	PKHB2_MOUSE
NCBI Protein Information	pleckstrin homology domain-containing family B member 2
UniProt Comments for PLEKHB2	PLEKHB2: Involved in retrograde transport of recycling endosomes. 3 isoforms of the human protein are produced by alternative splicing. Cellular Component: membrane; endosome
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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