ZNF280D siRNA – Zinc Finger Protein 280d Isoform 1 (Mouse)

PRODUCT OVERVIEW

Product Name	ZNF280D, siRNA
Full Product Name	ZNF280D siRNA (Mouse)
Product Gene Name	ZNF280D sirna
Product Synonym Names	SUHW4; ZFP280D; Zinc finger protein 280D; Suppressor of hairy wing homolog 4
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	ZNF280D 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	58,512 Da
3D Structure	ModBase 3D Structure for Q68FE8
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 ZNF280D 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 ZNF280D sirna	RNA Interference (RNAi)
Related Product Information for ZNF280D sirna	MBS8235507 is an siRNA targeting ZNF280D. Also known as ZNF280D siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit ZNF280D expression using RNA interference
Other Notes	Small volumes of ZNF280D 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 ZNF280D. It may not necessarily be applicable to this product.

NCBI GI #	84452159

NCBI GeneID	235469
NCBI Accession #	NP_666336.3
UniProt Primary Accession #	Q68FE8
UniProt Secondary Accession #	Q3T9B1; Q8BI82
UniProt Related Accession #	Q68FE8
GenBank Nucleotide #	NM_146224.5
NCBI Official Full Name	zinc finger protein 280D isoform 1
NCBI Official Synonym Full Names	zinc finger protein 280D
NCBI Official Symbol	Zfp280d
NCBI Official Synonym Symbols	Suhw4; ZNF634; Znf280d; BC027163; A930005F02Rik
UniProt Protein Name	Zinc finger protein 280D
UniProt Synonym Protein Names	Suppressor of hairy wing homolog 4
Protein Family	Zinc finger protein
UniProt Gene Name	Znf280d
UniProt Synonym Gene Names	Suhw4; Zfp280d
UniProt Entry Name	Z280D_MOUSE
NCBI Protein Information	zinc finger protein 280D
UniProt Comments for ZNF280D	ZNF280D: May function as a transcription factor. 5 isoforms of the human protein are produced by alternative splicing. Protein type: C2H2-type zinc finger protein Cellular Component: nucleus Molecular Function: DNA binding; metal ion binding Biological Process: regulation of transcription, DNA-dependent; transcription, DNA-dependent
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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