ZNF280D siRNA – Zinc Finger Protein 280d Isoform 2 (Human)

PRODUCT OVERVIEW

Product Name	ZNF280D, siRNA
Full Product Name	ZNF280D siRNA (Human)
Product Gene Name	ZNF280D sirna
Product Synonym Names	KIAA1584; SUHW4; ZNF634; Zinc finger protein 280D; Suppressor of hairy wing homolog 4; Zinc finger protein 634
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	ZNF280D siRNA (Human) 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	17,134 Da
3D Structure	ModBase 3D Structure for Q6N043
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 human 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	MBS8204919 is an siRNA targeting ZNF280D. Also known as ZNF280D siRNA (Human). Reactive in Human. 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 #	50811873

NCBI GeneID	54816
NCBI Accession #	NP_001002843.1
UniProt Primary Accession #	Q6N043
UniProt Secondary Accession #	Q6MZM6; Q6N085; Q6P2R6; Q7Z6J5; Q9H0U5; Q9HCI8; Q9NXS0; A1L495; B2RMT6
UniProt Related Accession #	Q6N043
GenBank Nucleotide #	NM_001002843.2
NCBI Official Full Name	zinc finger protein 280D isoform 2
NCBI Official Synonym Full Names	zinc finger protein 280D
NCBI Official Symbol	ZNF280D
NCBI Official Synonym Symbols	SUHW4; ZNF634
UniProt Protein Name	Zinc finger protein 280D
UniProt Synonym Protein Names	Suppressor of hairy wing homolog 4; Zinc finger protein 634
Protein Family	Zinc finger protein
UniProt Gene Name	ZNF280D
UniProt Synonym Gene Names	KIAA1584; SUHW4; ZNF634
UniProt Entry Name	Z280D_HUMAN
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 Chromosomal Location of Human Ortholog: 15q21.3 Cellular Component: nucleus Molecular Function: DNA binding; metal ion binding Biological Process: transcription, DNA-dependent; regulation of transcription, DNA-dependent
Research Articles on ZNF280D	**1.** As a first exploitation of this unique cohort, we identify three novel candidate dyslexia genes, ZNF280D and TCF12 at 15q21, and PDE7B at 6q23.3, by molecular mapping of the familial translocation with the 15q21 breakpoint.
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