DHRS7B siRNA – Dehydrogenase/Reductase SDR Family Member 7b (Human)

PRODUCT OVERVIEW

Product Name	DHRS7B, siRNA
Full Product Name	DHRS7B siRNA (Human)
Product Gene Name	DHRS7B sirna
Product Synonym Names	Dehydrogenase/reductase SDR family member 7B
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	DHRS7B 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	35,119 Da
OMIM	616160
3D Structure	ModBase 3D Structure for Q6IAN0
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 DHRS7B 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 DHRS7B sirna	RNA Interference (RNAi)
Related Product Information for DHRS7B sirna	MBS8201220 is an siRNA targeting DHRS7B. Also known as DHRS7B siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit DHRS7B expression using RNA interference
Other Notes	Small volumes of DHRS7B 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 DHRS7B. It may not necessarily be applicable to this product.

NCBI GI #	20149619
NCBI GeneID	25979
NCBI Accession #	NP_056325.2
UniProt Primary Accession #	Q6IAN0
UniProt Secondary Accession #	Q6UX59; Q9BTF9; Q9UFM6; Q9Y3A1; B5MEF4
UniProt Related Accession #	Q6IAN0
GenBank Nucleotide #	NM_015510.4
NCBI Official Full Name	dehydrogenase/reductase SDR family member 7B
NCBI Official Synonym Full Names	dehydrogenase/reductase (SDR family) member 7B
NCBI Official Symbol	DHRS7B
NCBI Official Synonym Symbols	CGI-93; SDR32C1
UniProt Protein Name	Dehydrogenase/reductase SDR family member 7B
UniProt Synonym Protein Names	Short-chain dehydrogenase/reductase family 32C member 1
Protein Family	Dehydrogenase/reductase SDR family
UniProt Gene Name	DHRS7B
UniProt Entry Name	DRS7B_HUMAN
NCBI Protein Information	dehydrogenase/reductase SDR family member 7B
NCBI Summary for DHRS7B	This gene is located within the Smith-Magenis syndrome region on chromosome 17. It encodes a protein of unknown function. [provided by RefSeq, Jul 2008]
UniProt Comments for DHRS7B	DHRS7B: Putative oxidoreductase (Potential). Belongs to the short-chain dehydrogenases/reductases (SDR) family. Protein type: EC 1.1.-.-; Membrane protein, integral; Oxidoreductase Chromosomal Location of Human Ortholog: 17p12 Cellular Component: endoplasmic reticulum membrane; membrane; integral to membrane Molecular Function: oxidoreductase activity
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