DHRS13 siRNA – Dehydrogenase/Reductase SDR Family Member 13 (Mouse)

PRODUCT OVERVIEW

Product Name	DHRS13, siRNA
Full Product Name	DHRS13 siRNA (Mouse)
Product Gene Name	DHRS13 sirna
Product Synonym Names	Dehydrogenase/reductase SDR family member 13
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	DHRS13 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	31,162 Da
3D Structure	ModBase 3D Structure for Q5SS80
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 DHRS13 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 DHRS13 sirna	RNA Interference (RNAi)
Related Product Information for DHRS13 sirna	MBS8200690 is an siRNA targeting DHRS13. Also known as DHRS13 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit DHRS13 expression using RNA interference
Other Notes	Small volumes of DHRS13 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 DHRS13. It may not necessarily be applicable to this product.

NCBI GI #	117647267

NCBI GeneID	70451
NCBI Accession #	NP_899109.2
UniProt Primary Accession #	Q5SS80
UniProt Secondary Accession #	Q14BH2; Q8BMX8
UniProt Related Accession #	Q5SS80
GenBank Nucleotide #	NM_183286.2
NCBI Official Full Name	dehydrogenase/reductase SDR family member 13
NCBI Official Synonym Full Names	dehydrogenase/reductase (SDR family) member 13
NCBI Official Symbol	Dhrs13
NCBI Official Synonym Symbols	2610209N15Rik
UniProt Protein Name	Dehydrogenase/reductase SDR family member 13
UniProt Synonym Protein Names	Short chain dehydrogenase/reductase family 7C member 5
Protein Family	Dehydrogenase/reductase SDR family
UniProt Gene Name	Dhrs13
UniProt Entry Name	DHR13_MOUSE
NCBI Protein Information	dehydrogenase/reductase SDR family member 13
UniProt Comments for DHRS13	DHRS13: Putative oxidoreductase (Potential). Belongs to the short-chain dehydrogenases/reductases (SDR) family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 1.1.-.-; Oxidoreductase; Secreted, signal peptide; Secreted Cellular Component: membrane; extracellular region Molecular Function: 1-phenylethanol dehydrogenase activity; versicolorin reductase activity; pinocarveol dehydrogenase activity; hydroxymethylmethylsilanediol oxidase activity; myrtenol dehydrogenase activity; ketoreductase activity; chloral hydrate dehydrogenase activity; oxidoreductase activity Biological Process: metabolic process
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