

Product Data Sheet

AKR1B15 siRNA (Human)

irce	Reactivity		Applications	
thetic	н		RNAi	
Description siRNA to inhibit AKR1B15 expression using RNA interference				
AKR1B1	L5 siRNA (Human) is	A (Human) is a target-specific 19-23 nt siRNA oligo duplexes designed		
to knoc	k down gene express	sion.		
Lyophili	ized powder			
Gene Symbol AKR1B15				
e Names Aldo-keto reductase family 1 member B15				
441282 (Human)				
C9JRZ8	C9JRZ8 (Human)			
> 97%	> 97%			
Oligonu	Oligonucleotide synthesis is monitored base by base through trityl analysis to ensu			rityl analysis to ensure
approp	appropriate coupling efficiency. The oligo is subsequently purified by affinity-solid			fied by affinity-solid
phase extraction. The annealed RNA duplex is further analyzed by mass			d by mass	
spectro	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.				
We offers pre-designed sets of 3 different target-specific siRNA oligo duplexes of				
human AKR1B15 gene. Each vial contains 5 nmol of lyophilized siRNA. The duplexes			siRNA. The duplexes	
can be	transfected individua	Illy or pooled	together to achieve k	knockdown of the
target gene, which is most commonly assessed by qPCR or western blot.				
Comp	onent		15 nmol	30 nmol
AKR1E	315 siRNA (Human) -	A	5 nmol x 1	5 nmol x 2
AKR1E	315 siRNA (Human) -	В	5 nmol x 1	5 nmol x 2
	thetic siRNA t AKR1B2 to knoc Lyophil AKR1B2 Aldo-ke 441282 C9JR28 > 97% Oligonu approp phase e spectro the pre We offe human can be target g AKR1E	thetic H siRNA to inhibit AKR1B15 ex AKR1B15 siRNA (Human) is a to knock down gene express Lyophilized powder AKR1B15 Aldo-keto reductase family 1 441282 (Human) C9JRZ8 (Human) > 97% Oligonucleotide synthesis is appropriate coupling efficien phase extraction. The annea spectrometry to verify the e the previous lot by mass spec We offers pre-designed sets human AKR1B15 gene. Each can be transfected individua target gene, which is most c	thetic H siRNA to inhibit AKR1B15 expression using AKR1B15 siRNA (Human) is a target-specie to knock down gene expression. Lyophilized powder AKR1B15 Aldo-keto reductase family 1 member B19 441282 (Human) C9JRZ8 (Human) > 97% Oligonucleotide synthesis is monitored ba appropriate coupling efficiency. The oligo phase extraction. The annealed RNA dupl spectrometry to verify the exact composit the previous lot by mass spectrometry to We offers pre-designed sets of 3 different human AKR1B15 gene. Each vial contains can be transfected individually or pooled target gene, which is most commonly asse	thetic H RNAi siRNA to inhibit AKR1B15 expression using RNA interference AKR1B15 siRNA (Human) is a target-specific 19-23 nt siRNA oligito knock down gene expression. Lyophilized powder AKR1B15 Aldo-keto reductase family 1 member B15 441282 (Human) C9JRZ8 (Human) > 97% Oligonucleotide synthesis is monitored base by base through tappropriate coupling efficiency. The oligo is subsequently puriliphase extraction. The annealed RNA duplex is further analyzed spectrometry to verify the exact composition of the duplex. Each the previous lot by mass spectrometry to ensure maximum lot We offers pre-designed sets of 3 different target-specific siRNA human AKR1B15 gene. Each vial contains 5 nmol of lyophilized can be transfected individually or pooled together to achieve be target gene, which is most commonly assessed by qPCR or were target gene, which is most commonly assessed by qPCR or were target siRNA (Human) - A

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC-Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

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DEPC Water	1 ml x 1	1 ml x 2
Negative Control	2.5 nmol x 1	2.5 nmol x 2
AKR1B15 siRNA (Human) - C	5 nmol x 1	5 nmol x 2

Directions for Use

We recommends transfection with 10 nM - 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 example, resuspend one tube of 5 nmol siRNA oligo in 250 μ l of DEPC water to get a final concentration of 20 μ M.

Plate	Final volume	Final concentration	siRNA (20 μM)	Lipofectamin
	of medium	of siRNA		2000
		100 nM	0.5 μl	0.25 μl
96-well	100 µl	50 nM	0.25 μl	0.25 μl
		10 nM	0.05 μl	0.25 μl
		100 nM	2.5 μl	1 µl
24-well	500 μl	50 nM	1.25 μl	1 µl
		10 nM	0.25 μl	1 µl
		100 nM	5 μl	2 µl
12-well	1 ml	50 nM	2.5 μl	2 µl
		10 nM	0.5 μl	2 µl
		100 nM	10 µl	5 µl
6-well	2 ml	50 nM	5 μl	5 µl
		10 nM	1 µl	5 μl

Storage/Stability

Shipped at 4 °C. Store at -20 °C for one year.

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