

siRNA Negative Control

Catalogue No.: abx941273

siRNA Negative Control. Negative Control for experiments using targeted siRNA transfection. Recommended for evaluating RNAi off-target effects, and in order to verify the accuracy of gene-specific siRNA-dependent RNAi.

Reactivity: General

Tested Applications: RNAi

Host: Synthetic

Optimal dilutions/concentrations should be determined by the end user.

Recommended dilutions:	Plate (wells)	Final Medium Volume (ml)	Final siRNA Concentration (nM)	20 µM siRNA Volume (µl)	Lipofectamine 2000 Volume (µl)
			100	0.5	0.25
	96	0.1	50	0.25	0.25
			10	0.05	0.25
			100	2.5	1
	24	0.5	50	1.25	1
			10	0.25	1
			100	5	2
	12	1	50	2.5	2
			10	0.5	2
			100	10	5
	6	2	50	5	5
			10	1	5

Form: Lyophilized

Purity: > 97%

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.

Storage: Shipped at 4 °C. Store at -20 °C for up to one year.

Specificity: siRNA Negative Control is a non-targeting 21 nt siRNA.

Note: This product is for research use only.

- Directions for use:**
1. Before resuspending, briefly centrifuge the tube to ensure the lyophilized siRNA is at the bottom of the tube.
 2. Resuspend the siRNA oligos to an appropriate concentration with DEPC water (e.g. resuspend one vial of 5 nmol siRNA oligo in 250 µl of DEPC water for a final concentration of 20 µM).
 3. Transfect with 10 nM - 100 nM siRNA 48 to 72 hours prior to cell lysis.