

# Product Data Sheet

## siRNA Negative Control

Catalog #	Source	Reactivity	Applications
MBS8241404	Synthetic	N/A	RNAi
<b>Description</b>	Negative Control for experiments using targeted siRNA transfection		
<b>Specificity</b>	Negative Control Duplexes are ideal for use in RNA interference (RNAi) experiments as a control for sequence independent effects following siRNA delivery in any vertebrate cell line.		
<b>Form</b>	Lyophilized powder		
<b>Quality Control</b>	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.		
<b>Directions for Use</b>	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.		
<b>Components</b>	siRNA Negative Control is a non-targeting 21 nt siRNA designed.		
<b>Application</b>	It is recommended as a negative control for evaluating RNAi off-target effects, and in order to verify the accuracy of gene specific siRNA dependent RNAi.		
<b>Storage/Stability</b>	Shipped at 4°C. Store at -20°C for one year.		

**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