

Control siRNA, HPLC Purified

Positive controls are very important for the inspection of an experimental system. In other words, when you see the expected result of siRNA positive control, you can ensure that your transfection, RNA extraction and detection methods are reliable

These siRNA controls are convenient for human and mouse cell RNAi experiments. The siRNA control can be used to optimize the RNAi experimental conditions in human and mouse cell lines. Special AvantGeneSI transfection reagent is recommended to ensure the highly efficient transfection. The effect of gene silencing can be identified flexibly by followup experiments such as quantitative PCR or western blot.

General Handling

◆ RNA oligonucleotides are susceptible to degradation by ribonucleases induced during handling. As a precaution please wear gloves when handling siRNA.

◆ RNase-free reagents, barrier pipette tips, and tubes should be used when working with siRNA.

Using siRNA

◆ The siRNA is stable when stored in a non-frost-free freezer at -20°C for one year.

◆ For long term storage, store the siRNA at -80°C freezer

siRNA oligos are delivered freeze dried (5 vials x 40 µg, 5 vials x 3.0 nmole)

1.) Briefly centrifuge the tube to ensure the dried siRNA is set at the bottom of the tube.

2.) Resuspend siRNA according to the following table for desired concentration: siRNA (nmole) DEPC H₂O (ml) siRNA Conc. (µM)

Box 1 | Resuspension

siRNA (nmole)	DEPC H ₂ O (ml)	siRNA Conc. (µM)
3	0.15	20
6	0.30	20
60	1.00	60
120	1.00	120
180	1.00	180
240	1.00	240

Box 2 | Product List

Cat No.	Name of Gene	Amount
ABP-Ri-COsi01	LaminA/C	1OD, 40ug, 2.5nmol
ABP-Ri-COsi02	GFP22	1OD, 40ug, 2.5nmol
ABP-Ri-COsi03	Luciferase GL2	1OD, 40ug, 2.5nmol
ABP-Ri-COsi04	MAPK1	1OD, 40ug, 2.5nmol
ABP-Ri-COsi05	Beta-Actin	1OD, 40ug, 2.5nmol
ABP-Ri-COsi06	Vimentin	1OD, 40ug, 2.5nmol
ABP-Ri-COsi07	P53	1OD, 40ug, 2.5nmol
ABP-Ri-COsi08	GAPDH	1OD, 40ug, 2.5nmol
ABP-Ri-COsi09	Cyclophilin B	1OD, 40ug, 2.5nmol