

Product information sheet

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|----------------------|----------------|
| Purity: | HPLC purified |
| Format: | Annealed |
| Appearance: | Solution |
| Storage Temperature: | -20°C or below |

Quality Control

Integrity and purity of each individual siPOOL was verified by HPLC.

Handling Instructions:

siPOOLS are susceptible to degradation by exogenous ribonucleases. The use of gloves, RNase-free reagents and plastic as well as barrier pipette tips is strongly recommended.

siPOOLS are shipped in 10 mM Tris solution at 50 µM concentration and require no resuspension. Nuclease-free water is provided for further dilution if required.

| siRNA (nmol) | Volume of siPOOL provided at final concentration of 50 µM (µl) |
|--------------|--|
| 1 | 20 |
| 5 | 100 |
| 10 | 200 |
| 20 | 400 |

Briefly centrifuge tubes to ensure all material is at the bottom of the tube before opening.

Store siPOOLS at or below -20°C. Splitting up larger volumes into multiple aliquots is strongly recommended to minimize risk of contamination. Under these conditions, siPOOLS are stable for at least 12 months.

Other Information

For cell culture experiments we strongly recommend performing a dose response curve to assess the optimal siPOOL concentration for each cell line and transfection method. As a starting point we suggest using final total siRNA concentrations between 1 nM and 10 nM.

Effect on protein level and phenotypic response will follow mRNA knock-down with gene-specific kinetics.

For easy to transfect cell lines (Hela, A549, MCF7 etc.) and readouts measured 2-3 days after transfection, we recommend a siPOOL concentration of 3 nM. Longer assays and difficult cell lines may require higher concentration.

A transfection protocol can be found on our website www.sitoolsbiotech.com under Resources

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