

siSTABLE™ Control siRNA Reagents

Product Description:

- Double-stranded, chemically synthesized oligonucleotides
- Duplexes modified with siSTABLE for extended stability and enhanced performance in nuclease-rich environments
- Mass of each strand confirmed by MALDI-TOF mass spectrometry

Shipping and Storage:

- Dharmacon™ siSTABLE™ Control siRNA reagents are shipped as dried pellets at room temperature (23 °C). Under these conditions, the reagents are stable for at least four weeks.
- Upon receipt, all siRNAs should be stored at -20 °C to -80 °C. Under these conditions, the siRNAs are stable for at least one year.
- siRNA should be resuspended in RNase-free solutions. We recommend 1x siRNA buffer (diluted from 5x siRNA buffer – Dharmacon Cat. #B-002000-UB-100). RNase-free water (for short-term storage) is also appropriate for resuspension of concentrated stocks (20-100 µM). Alternatively, an RNase-free buffer (pH 7.3-7.6) may be used such as PBS.
- Upon resuspension, aliquot the siRNA into small volumes and store at -20 °C to -80 °C. For best results, limit freeze-thawing of each tube to no more than five events. Under these conditions, the siRNA is stable for at least six months.

Handling Precautions:

Oligonucleotides are susceptible to enzymatic degradation by nucleases and to chemical degradation by extreme pH and temperature. We recommend wearing gloves and maintaining nuclease-free conditions when handling the oligonucleotides.

Table 1. siSTABLE Control siRNA Reagents:

Product	Description	Cat. #
siSTABLE Non-targeting siRNA # 1	Negative control siRNA (chemically modified for increased stability) with at least 4 mismatches to any human, mouse, or rat gene. Microarray tested [^] MW 13,000 g/mol	D-001700-01-XX
siSTABLE Cyclophilin B siRNA (Human)	Positive silencing control for guaranteed silencing of Cyclophilin B mRNA in human cells (chemically modified for increased stability). Target NM_000942 MW 13,000 g/mol	D-001710-02-XX
siSTABLE Cyclophilin B siRNA (Mouse)	Positive silencing control for guaranteed silencing of Cyclophilin B mRNA in mouse cells (chemically modified for increased stability). Target NM_011149 MW 13,000 g/mol	D-001710-03-XX
siStable GAPD siRNA (Mouse)	Positive silencing control for guaranteed silencing of GAPD mRNA in mouse cells (chemically modified for increased stability). Target NM_008084 MW 13,000 g/mol	D-001720-03-XX

[^]Non-targeting siRNA #1 reduces EGFR mRNA by ~ 50% (NM_005228).

XX=05,20, or 50 for 5, 20, and 50 nmol amounts



Accompanying Document:

[Basic siRNA resuspension protocol](#).

Supplemental Documents:

Go to gelifesciences.com/dharmacon/protocols, to find:

- Basic and cell-line specific transfection protocols.

Related Products:

DharmaFECT siRNA Transfection Reagents are available in four formulations that are optimized for transfecting siRNA into a wide variety of cell lines. For more information, click [here](#).

Publication Reference Guide:

When referencing the use of siSTABLE Control siRNA Reagents, please include the following information: siSTABLE Control siRNA (type, Cat. # GE Healthcare Dharmacon Inc, Lafayette, CO).

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gelifesciences.com/dharmacon

Customer Support: cs.dharmacon@ge.com
Technical Support: ts.dharmacon@ge.com or
1.800.235.9880; 303.604.9499 if you have any questions.