Product Insert

Dharmacon™
RNAi, Gene Expression & Gene Editing

Lincode™ siRNA Reagents

Product Description:

- Pooled and individual siRNAs designed using the SMARTselection™ algorithm to silence long noncoding RNAs (lncRNAs)
- Lincode siRNA reagents are modified with a proprietary dual-strand modification to enhance specificity
- Annealed double-stranded RNA oligonucleotides
- 3'-UU overhangs on both strands
- 5'-Phosphate on antisense strand
- Mass of each strand confirmed by MALDI-TOF mass spectrometry

Product	Description	Cat. #
Lincode SMARTpool™ Reagent	• One tube containing a mixture of four SMARTselection-designed siRNAs targeting one gene • Sequence information provided	R-XXXXXX-XX
Lincode Set of 4 Upgrade Lincode Individual siRNA	• Four individual SMARTselection - designed siRNAs from corresponding SMARTpool reagent • Sequence information provided	RU-XXXXXX-XX N-XXXXXX-XX

Shipping and Storage:

- siRNA reagents are shipped as dry pellets at room temperature (23 °C). Under these conditions, they are stable for at least four weeks.
- Upon receipt, siRNA reagents should be stored at -20 °C to -80 °C. Under these conditions, they 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 (Fisher Cat. # NC9826748)
- 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 one year.

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.

Related Products:

- It is recommended to include a positive and negative control, such as Dharmacon RNAi Control Reagents, in every RNAi experiment. For more information, click here.
- DharmaFECT™ siRNA Transfection Reagents are optimized for transfecting siRNA into a wide variety of cell lines. For more information, click here.

Accompanying Documents:

- Basic siRNA resuspension protocol.

Supplemental Documents:

- Go to gelifesciences.com/dharmacon to find:
- siRNA Recommended Reading List SMARTpool Journal Citations

References:

References detailing the development of the SMARTselection algorithm:
1. Khvorova, A., A. Reynolds, et al. *Cell*, 2003. 115(1): p. 209-216.
2. Reynolds, A., D. Leake, et al. *Nature Biotechnology*, 2004. 22(3): p. 326-330.

For additional RNAi references please refer to the siRNA Recommended Reading List, gelifesciences.com/dharmacon.

Publication Reference Guide:

When referencing the use of Dharmacon siRNA reagents, please include the following information: product name (either Lincode SMARTpool Reagent or siRNA) catalog number, GE Healthcare Dharmacon, Inc., Lafayette, CO.

Version published June 2014. GE Healthcare UK Limited, Amersham Place, Little Chalfont, Buckinghamshire, HP7 9NA, UK

GE Healthcare

Orders can be placed at:
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.

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