

# Lincod<sup>TM</sup> siRNA reagents

## Product description

- Pooled and individual siRNAs designed using the SMARTselection<sup>TM</sup> algorithm to silence long noncoding RNAs (lncRNAs)
- Lincod 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. #
Lincod SMART-pool <sup>TM</sup> Reagent	<ul style="list-style-type: none"> <li>• One tube containing a mixture of four SMARTselection-designed siRNAs targeting one gene</li> <li>• Sequence information provided</li> </ul>	R-XXXXXX-XX
Lincod set of 4 Upgrade Lincod individual siRNA	<ul style="list-style-type: none"> <li>• Four individual SMARTselection—designed siRNAs from corresponding SMARTpool reagent</li> <li>• Sequence information provided</li> </ul>	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.
- 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 [dharmacon.horizondiscovery.com](http://dharmacon.horizondiscovery.com) 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](#).

## 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, Dharmacon, Inc., Lafayette, CO.

### If you have any questions, contact

---

**t** +44 (0) 1223 976 000 (UK) **or** +1 800 235 9880 (USA); +1 303 604 9499 (USA)

**f** + 44 (0)1223 655 581

**w** [horizondiscovery.com/contact-us](http://horizondiscovery.com/contact-us) **or** [dharmacon.horizondiscovery.com/service-and-support](http://dharmacon.horizondiscovery.com/service-and-support)

**Horizon Discovery**, 8100 Cambridge Research Park, Waterbeach, Cambridge, CB25 9TL, United Kingdom

All trademarks are the property of Horizon Discovery Company unless otherwise specified. ©2018 Horizon Discovery Group Company—All rights reserved. First published July 2014. UK Registered Head Office: Building 8100, Cambridge Research Park, Cambridge, CB25 9TL, United Kingdom.