Control Lentiviral Non-targeting shRNA Construct

Shipment Contents:  Control Lentiviral Non-targeting shRNA Construct in pRSI16 (Plasmid)
- Store at -20°C

Description:

The Lentiviral Non-targeting shRNA Construct expresses a non-targeting shRNA.

The plasmid shRNA construct can be packaged into VSV-G pseudotyped viral particles using most commercially-available second or third-generation packaging mixes or Cellecta’s second-generation psPAX2/pMD2.G packaging plasmid mix (Ready-to-use Packaging Plasmid Mix, Cat.# CPCP-K2A, 250 μg).

Biosafety Level:  BSL-2

Storage:  -20°C

Shelf Life:  2 years from date of receipt

Shipping Conditions:  Room Temperature, Blue Ice, or Dry Ice

Product Information (Cellecta Website):

Vector Info (Sequence, cassette, etc):  https://www.cellecta.com/resources/vector-information/
Product Analysis Certificate

Control Lentiviral Non-targeting shRNA Construct in pRSI16 (Plasmid)
Cat. # SHCTL-NT-PX
Lot# 16012901

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In pRSI16-U6-sh-UbiC-TagRFP-2A-Puro Plasmid, >25 μg:

25 μg, 0.5 μg/μl (50 μl)
Lot# 16012901; Store at -20°C

Target Sequence: CAACAAGATGAAGACCAA
Insert (Hairpin) Seq.: CAACAAGATGAAGACCAA

Design of Cellecta shRNA Constructs:

ACCGG-21mer(sense+mismatch(es)*)-GTTAATTCATAGC(loop)-21mer(antisense)-TTTT

* The sense portion of the shRNA may contain specific mismatches introduced by Cellecta. We incorporate some mismatches in our library hairpins to improve stability and representation in a pooled-screening format. Although we have not observed any significant differences in efficacy between perfectly homologous shRNA sequences and those with 1-2 non-sequential mismatches, we typically use the same hairpin design for individual constructs to maintain sequence consistency with our functionally active library designs.
Control Lentiviral Non-targeting shRNA Construct in pRSI16 (Plasmid)
Cat. # SHCT-NT-PX
Lot# 16012901

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