Product Certificate

CELLECTA

Product Name: pRSG16N-U6-sg-UbiC-TagRFP-2A-Neo (linearized)

Catalog #: SVCRU616N-L

Size: 500 ng; 10 ng/µl, 50 µl (50 reactions)

Shipping Conditions: Blue Ice

Shipment Contents: Linearized vector — Store at -20°C

Shelf Life: 2 years from date of receipt

Product Details:

The pRSG16N-U6-sg-UbiC-TagRFP-2A-Neo sgRNA Cloning and Expression Vector is a human immunodeficiency virus (HIV) lentiviral vector with a constitutive U6 promoter to express sgRNA constructs and human UbiC promoter to express both TagRFP and Neomycin-resistance gene. The vector was linearized by restriction digestion using BpiI (BbsI), agarose gel purified, and is ready for cloning sgRNA template oligos (guide + tracrRNA scaffold).

The pRSG16N Vector has the functional elements necessary for packaging into viral particles (when used with Cellecta's Ready-to-Use Packaging Mix, Cat.# CPCP-K2A, or most other second or third generation lentiviral packaging mixes), transduction, stable integration into genomic DNA, and expression of sgRNA constructs in target cells. 500 ng of BpiI (BbsI) linearized vector is provided, sufficient for 50 ligation reactions.

Catalog #	Description
SVCRU616N-L	**CRISPR sgRNA Cloning and Expression Vector** **pRSG16N-U6-sg-UbiC-TagRFP-2A-Neo (linearized)** 500 ng; 10 ng/µl, 50 µl (50 reactions)

Quality Control:

1 µl of a control sgRNA template (20 µM each strand) was phosphorylated and annealed as described in the manual. 0.5 µl of phosphorylated, annealed control sgRNA template (0.2 µM), consisting of guide + tracrRNA scaffold, was ligated into 10 ng of pRSG16N vector at 16°C for 1 hour. After transformation, 90% of the clones contain control sgRNA insert based on the result of insert amplification with forward and reverse PCR primers.

Lot #s: 190812002

Additional Product Information can be found on the Cellecta website:

General Product Description: https://www.cellecta.com/products-3/crispr-products/crispr-cloning-vectors-linearized/
User Manual: https://www.cellecta.com/product-manuals-and-certificates/
Vector Info (Sequence, cassette, etc): https://www.cellecta.com/vector-information/

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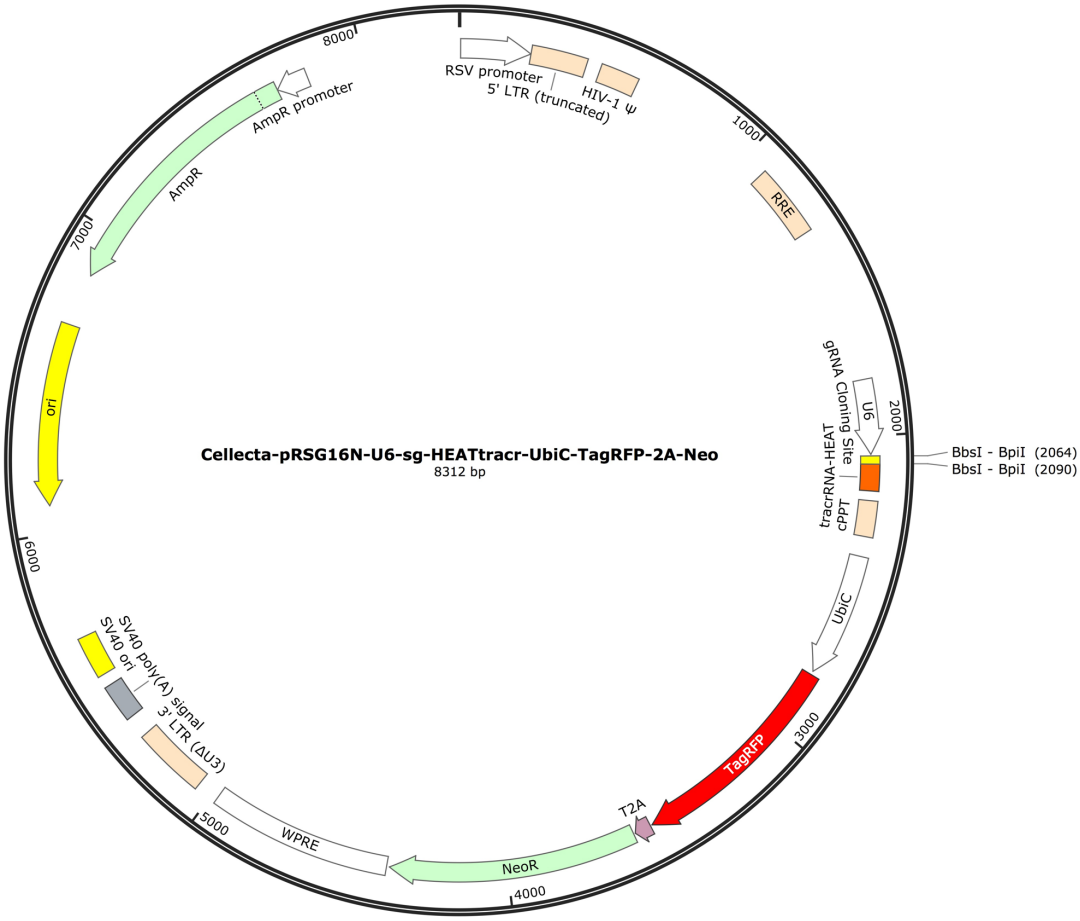
For **Local Distributors** outside North America see https://www.cellecta.com/company/distributors/.

Appendix

1. Vector Map

pRSG16N-U6-sg-UbiC-TagRFP-2A-Neo



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