

Product Certificate

Product Name: pRSGTEBleo-U6Tet-sg-EF1-TetRep-2A-Bleo (linearized)
Catalog #: SVCRU6TEBleo-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 pRSGTEBleo-U6Tet-sg-EF1-TetRep-2A-Bleo sgRNA Cloning and Expression Vector is a human immunodeficiency virus (HIV) lentiviral vector with an inducible U6-Tet promoter to express sgRNA constructs and EF1 promoter to express the bleomycin-resistance gene. The vector was linearized by restriction digestion using Bpil (BbsI), agarose gel purified, and is ready for cloning sgRNA template oligos (guide + tracrRNA scaffold).

The pRSGTEBleo Vector has the functional elements necessary for packaging into viral particles (when used with Collecta'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 Bpil (BbsI) linearized vector is provided, sufficient for 50 ligation reactions.

Catalog #	Description
SVCRU6TEBleo-L	CRISPR sgRNA Cloning and Expression Vector pRSGTEBleo-U6Tet-sg-EF1-TetRep-2A-Bleo (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 pRSGTEBleo 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: 190812001

Additional Product Information can be found on the Collecta website:

General Product Description: <https://www.collecta.com/products-3/crispr-products/crispr-cloning-vectors-linearized/>

User Manual: <https://www.collecta.com/product-manuals-and-certificates/>

Vector Info (Sequence, cassette, etc): <https://www.collecta.com/vector-information/>

Collecta Contacts:

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Toll-Free: +1 (877) 938-3910 (option 2 for Technical Support)

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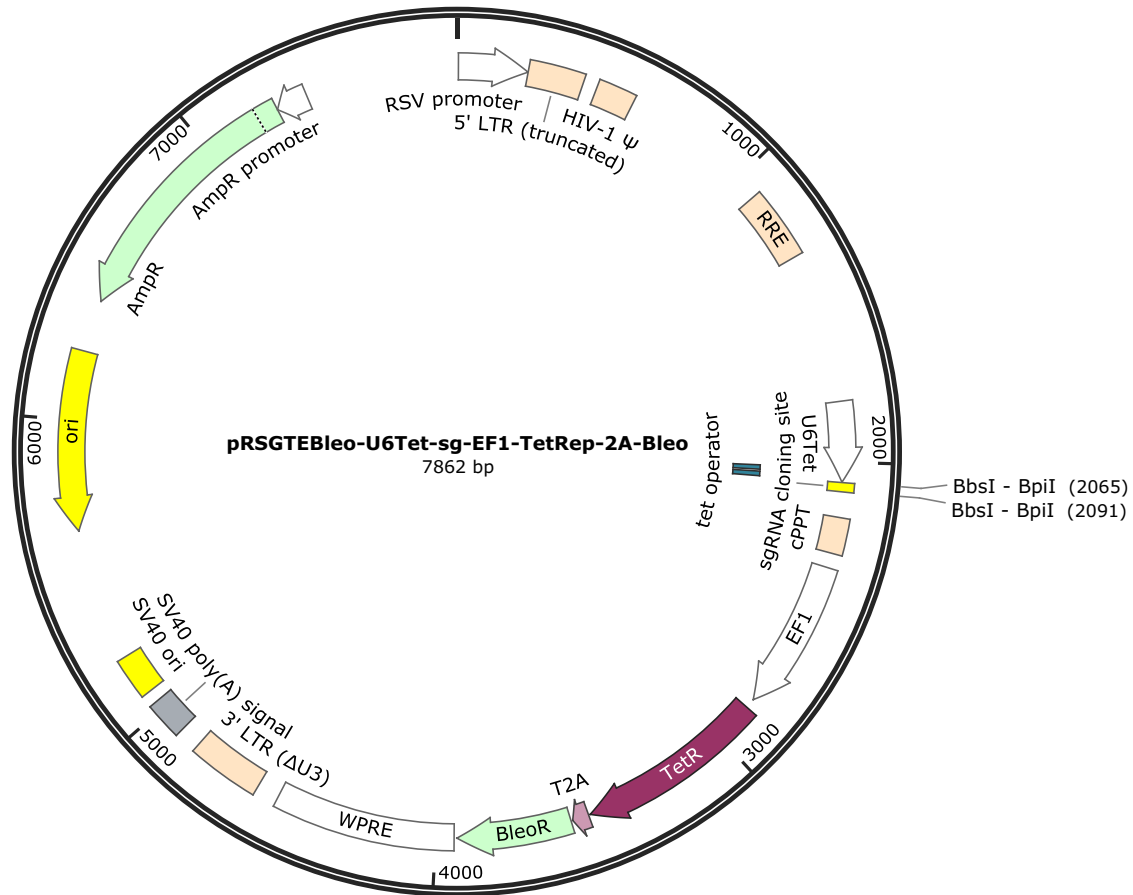
Orders: orders@collecta.com

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

Appendix

1. Vector Map

pRSGTEBleo-U6Tet-sg-EF1-TetRep-2A-Bleo



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