

pQCXIX Retroviral Vector

Catalog No.
631515

Amount
20 µg

Lot Number
Specified on product label.

Description

The pQCXIX Retroviral Vector is a self-inactivating retroviral expression vector that is optimized to eliminate promoter interference from the upstream LTR in the integrated provirus. It expresses two target genes from a single, bicistronic message. The CMV promoter present in the 5' LTR produces high viral titers in standard packaging cell lines. A deletion in the 3' LTR provides the self-inactivating feature after reverse transcription of the expression cassette. This vector is useful for applications in which high titers and high-level bicistronic gene expression are desired.

Package Contents

- 1 tube of 20 µg pQCXIX Retroviral Vector (500 ng/µl)

Storage Conditions

- Store plasmid at -20°C .
- Spin briefly to recover contents.
- Avoid repeated freeze/thaw cycles.

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Storage Buffer

- 10 mM Tris-HCl (pH 8.0), 1 mM EDTA (pH 8.0)

Shipping Conditions

- Dry ice (-70°C)

Product Documents

Documents for Clontech® products are available for download at www.clontech.com/manuals
The following documents apply to this product:

- Retroviral Gene Transfer and Expression User Manual
- pQCXIX Retroviral Vector Information

Propagation in *E. coli*

- Recommended host strain: Stellar™ Competent Cells (Cat. No. 636763)
- Selectable marker: Plasmids confer resistance to ampicillin (100 µg/ml) in *E. coli* hosts.
- *E. coli* replication origin: pUC

Clontech Laboratories, Inc.

A Takara Bio Company
1290 Terra Bella Avenue, Mountain View, CA 94043, USA
U.S. Technical Support: tech@clontech.com

United States/Canada 800.662.2566 (112113) Asia Pacific +1.650.919.7300 Europe +33.(0)1.3904.6880 Japan +81.(0)77.543.6116

Quality Control Data

Plasmid Identity & Purity

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Vector	Enzyme(s)	Size (kb)
pQCXIX Retroviral Vector	AgeI	6.3 kb
	StuI	1.7 kb & 4.6 kb

- Vector identity was confirmed by sequencing.
- A₂₆₀/A₂₈₀: 1.8–2.0

pQCXIX Retroviral Vector

CATALOG NO.

631515

NOTICE TO PURCHASER:

Clontech products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. Clontech products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of Clontech Laboratories, Inc.

Your use of this product is also subject to compliance with the licensing requirements listed below and described on the product's web page at <http://www.clontech.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

STATEMENT 8

For Research Use Only, Not for Use in Humans.

TRADEMARKS:

Clontech, the Clontech logo, and Stellar are trademarks of Clontech Laboratories, Inc.

All other marks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions. Clontech is a Takara Bio Company. ©2013 Clontech Laboratories, Inc. This document has been reviewed and approved by the Clontech Quality Assurance Department.

Clontech Laboratories, Inc.

A Takara Bio Company

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

U.S. Technical Support: tech@clontech.com

11/12/2013

United States/Canada

Asia Pacific

Europe

Japan

800.662.2566

+1.650.919.7300

+33.(0)1.3904.6880

+81.(0)77.543.6116