

pQCXIN Retroviral Vector

Catalog Nos.

631514
Sold as a part of 631516

Amount

20 µg

Lot Number

Specified on product label.

Description

The pQCXIN Retroviral Vector is a self-inactivating retroviral Q expression vector that is optimized to eliminate promoter interference from the upstream LTR in the integrated provirus. It expresses a target gene along with the gene for the neomycin resistance marker 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 gene expression are desired.

Package Contents

- 1 tube of 20 µg pQCXIN 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
- Retro-X™ Q Vector Information
- pQCXIN 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.

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Certificate of Analysis

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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)
pQCXIN Retroviral Vector	BamHI	7.4 kb
	StuI	2.8 kb & 4.6 kb

- Vector identity was confirmed by sequencing.
- A_{260}/A_{280} : 1.8–2.0

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STATEMENT 8

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