

## pLNCX2 Retroviral Vector

**Catalog Nos.**

631503

Sold as a part of 631508 and 631511

**Amount**

20 µg

**Lot Number**

Specified on product label.

### Description

pLNCX2 is designed for retroviral gene delivery and expression. Upon transfection into a packaging cell line, pLNCX2 can transiently express, or integrate and stably express, a transcript containing the Ψ viral packaging signal, a selectable marker, and the gene of interest, which is cloned into the MCS under the control of the immediate early promoter of human cytomegalovirus ( $P_{CMV}$ ). The 5' viral LTR drives expression of the neomycin resistance gene for antibiotic selection in eukaryotic cells.

### Package Contents

- 1 tube of 20 µg pLNCX2 Retroviral Vector (500 ng/µl)

### Storage Conditions

- Store plasmid at  $-20^{\circ}\text{C}$ .
- 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 ( $-70^{\circ}\text{C}$ )

### Product Documents

Documents for Clontech® products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals)

The following documents apply to this product:

- Retroviral Gene Transfer and Expression User Manual
- LRCX Retroviral Vector Information
- pLNCX2 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

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**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:

<b>Vector</b>	<b>Enzyme(s)</b>	<b>Size (kb)</b>
pLNCX2 Retroviral Vector	EcoRI	1.6 kb & 4.5 kb
	EcoRI & XbaI	1.6 kb, 1.9 kb, & 2.6 kb

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

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