Certificate of Analysis

pLVX-IRES-Neo Vector

Catalog No.	Amount	Lot Number
632184 (Not sold separately) Sold as a part of 632181	20 µl	Specified on product label.

Description

The pLVX-IRES-Neo Vector is a bicistronic lentiviral expression vector that can be used to generate high-titer lentivirus for transducing dividing or nondividing mammalian cells. The vector contains an internal ribosomal entry site (IRES) which allows a gene-of-interest and G418 resistance to be simultaneously co-expressed from a single mRNA transcript. When used with the Lenti-X™ Packaging Single Shots (VSV-G) (Cat. No. 631275 & 631276) and the Lenti-X 293T Cell Line (Cat. No. 632180), the vector generates high titers of replication-incompetent, VSV-G-pseudotyped lentivirus.

Package Contents

- 20 µl pLVX-IRES-Neo Vector (500 ng/µl)

Storage Conditions

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

Expiration Date

- Specified on product label.

Storage Buffer

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

Concentration

- 500 ng/µl

Shipping Conditions

- Dry ice

Product Documents

Documents for our products are available for download at **takarabio.com/manuals**
The following documents apply to this product:

- Lenti-X Lentiviral Expression Systems User Manual
- Lenti-X GoStix™ Protocol-At-A-Glance
- Lenti-X Packaging Single Shots Protocol-At-A-Glance
- Xfect™ Transfection Reagent Protocol-At-A-Glance
- pLVX-IRES-Neo Vector Information
- pLVX-IRES-Neo Vector Sequence in GenBank Format

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

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	Enzymes	Fragments
pLVX-IRES-Neo	XhoI	8.3 kb
	KpnI	6.6 & 1.7 kb

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

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

pLVX-IRES-Neo Vector

CATALOG NO.

632184

NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our 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 our prior written approval.

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

TRADEMARKS:

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