

# Certificate of Analysis

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## pLVX-IRES-Puro Vector

**Catalog No.**

632186 (Not sold separately)

Sold as a part of 632183.

**Amount**

20 µl

**Lot Number**

Specified on product label.

### Description

The pLVX-IRES-Puro 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 puromycin resistance to be simultaneously co-expressed from a single mRNA transcript. When used with the Lenti-X™ HTX Packaging System (Cat. No. 631247) 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-Puro 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](http://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 HTX Packaging System Protocol-At-A-Glance
- Xfect Transfection Reagent Protocol-At-A-Glance
- Lentiphos HT Protocol-At-A-Glance
- pLVX-IRES-Puro Vector Information
- pLVX-IRES-Puro Vector Sequence in GenBank Format

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Cat. No. 632186

Sold as a part of Cat. No. 632183

## 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	Enzyme	Fragments
pLVX-IRES-Puro	XhoI	8.1 kb
	KpnI	6.6 & 1.5 kb

- Vector identity was confirmed by sequencing.
- A<sub>260</sub>/A<sub>280</sub>: 1.8–2.0

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

## pLVX-IRES-Puro Vector

### CATALOG NO.

632186

### 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.

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9/12/2023