

Certificate of Analysis

pLVX-Puro Vector

Catalog No.

632159 (Not sold separately)
Sold as a part of 632164.

Amount

10 µg

Lot Number

Specified on product label.

Description

The pLVX-Puro Vector is a lentiviral expression vector that can be used to generate high titers of lentivirus for transducing mammalian cells. Transduced target cells will express a user-generated gene of interest from the vector's internal CMV promoter. Using the Lenti-X™ HTX Packaging System (Cat. No. 631247) to transfect pLVX-Puro into 293T packaging cells will produce very high titers of replication-incompetent, VSV-G pseudotyped lentivirus, which can then be used to transduce virtually any mammalian cell type.

Package Contents

- 10 µg pLVX-Puro Vector (500 ng/µl)

Storage Conditions

- Store plasmids 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)

Concentration

- 500 ng/µl

Shipping Conditions

- Dry ice (-70°C)

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
- pLVX-Puro Vector Information

Takara Bio USA, Inc.

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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(s)	Fragment(s)
pLVX-Puro	XhoI	8,102 bp
	KpnI	6,201 & 1,901 bp

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

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

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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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STATEMENT 55

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