

pLVX-PTunerC Vector

Catalog No.

631075 (Not sold separately)
Sold as a part of 631074.

Amount

20 µg

Lot Number

Specified on product label.

Description

pLVX-PTunerC is a lentiviral expression vector containing a destabilization domain (DD-C) that allows you to precisely regulate the amount of your protein of interest in virtually any mammalian cell type. Transduced target cells express a protein of interest C-terminally tagged with the DD-C. Expression is driven by the constitutively active human cytomegalovirus immediate early promoter. In order to obtain very high titers of lentiviral particles, pLVX-PTunerC should ideally be used with our Lenti-X™ HT Packaging System (Cat. Nos. 632160 & 632161).

Package Contents

- 20 µg pLVX-PTunerC Vector

Storage Conditions

- Store 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 ProteoTuner Shield Systems User Manual
- pLVX-PTunerC 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

Takara Bio USA, Inc.

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Certificate of Analysis

pLVX-PTunerC Vector (Not sold separately)

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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) | Fragment(s) |
|---------------|------------------|--------------------|
| pLVX-PTunerC | AfeI | 8.4 kb |
| | KpnI | 6.2 & 1.2 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.

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631075

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STATEMENT 57

This product is covered by U.S. Patent No. 8,173,792.

STATEMENT K11

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7/30/2020

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