

pLVX-TRE3G Vector Set

| Catalog No. | Amount | Lot Number |
|---|---------------|-----------------------------|
| 631193 (Not sold separately). Sold as a part of 631187 and 631189. | Each | Specified on product label. |

Description

When used with any Lenti-X™ Tet-On® 3G or Tet-Express™ inducible expression system, the pLVX-TRE3G Vector Set allows for lentiviral delivery and inducible expression of your gene of interest in a wide variety of mammalian cells. Target cells that contain a gene of interest under the control of a P_{TRE3GV} promoter will express high levels of your gene of interest, when cultured in the presence of doxycycline (when used with the pLVX-Tet3G Vector and a Tet-On 3G system) or in the presence of the Tet-Express tetracycline transactivator (when used with Tet-Express Systems).

Package Contents

- 20 µl pLVX-TRE3G Vector (500 ng/µl)
- 20 µl pLVX-TRE3G-Luc Control 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 Tet-On 3G Inducible Expression System User Manual
- Lenti-X Tet-Express Inducible Expression System User Manual
- pLVX-TRE3G Vector Information
- pLVX-TRE3G-Luc Control Vector Information

Takara Bio USA, Inc.

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|--|---------------------------------|------------------------------|-----------------------------|
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|--|---------------------------------|------------------------------|-----------------------------|

Certificate of Analysis

Cat. No. 631193

pLVX-TRE3G Vector Set (Not sold separately)

Sold as a part of Cat. Nos. 631187 and 631189

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-TRE3G | XhoI | 7.8 kb |
| | PstI | 6.6 & 1.2 kb |
| pLVX-TRE3G-Luc Control | XhoI | 9.5 kb |
| | SaII | 7.3 & 2.2 kb |

- 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.

pLVX-TRE3G Vector Set

CATALOG NO.

631193

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STATEMENT 42

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STATEMENT 55

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