

pLVX-Tet3G Vector

Catalog No.

631358 (Not sold separately)
Sold as part of 631349, 631350, 631351, 631187 & 635086

Amount

10 µg

Lot Number

Specified on product label.

Description

pLVX-Tet3G is a regulator vector that stably expresses the Tet-On® 3G transactivator protein, as part of any Lenti-X™ Tet-On 3G Inducible Expression System. The Lenti-X Tet-On 3G Inducible Expression Systems allow for the lentiviral delivery and inducible expression of your gene of interest in a wide variety of mammalian cells. Target cells that express the Tet-On 3G transactivator protein from pLVX-Tet3G and contain a gene of interest under the control of a pTRE3G promoter will express high levels of your gene, only when cultured in the presence of doxycycline.

Package Contents

- 20 µl pLVX-Tet3G Vector (500 ng/µl)

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 Tet-On 3G Inducible Expression System User Manual
- pLVX-Tet3G Vector Information

Takara Bio USA, Inc.

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Certificate of Analysis

Cat. No. 631358

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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)	Size (kb)
pLVX-Tet3G	BamHI	9.0 kb
	KpnI	7.3 & 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-Tet3G Vector

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631358

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3/4/2020

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STATEMENT 55

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