

## Lenti-X™ Tet-Off® Advanced Vector Set

<b>Catalog No.</b>	<b>Amount</b>	<b>Lot Number</b>
632158 (Not sold separately) Sold as a part of 632163	10 µg	Specified on product label.

### Description

The Lenti-X Tet-Off Advanced Vector Set contains lentiviral expression vectors that are designed to establish an inducible expression system in mammalian cells. Lentivirus produced from the pLVX-Tet-Off Advanced Vector expresses a tetracycline-dependent transcriptional activator (tTA-Advanced) which specifically induces transcription of your gene of interest from the  $P_{\text{Tight}}$  inducible promoter in pLVX-Tight-Puro. In cells cotransduced by both lentiviral vectors, your cDNA is expressed to high levels in the absence of doxycycline or after its withdrawal. Using these vectors with the Lenti-X HTX Packaging System (Cat. No. 631247) will produce very high-titer supernatants from 293T packaging cells. The VSV-G pseudotyped lentiviruses so generated can be used to transduce virtually any mammalian cell type.

### Package Contents

- 10 µg pLVX-Tet-Off Advanced Vector (500 ng/µl)
- 10 µg pLVX-Tight-Puro Vector (500 ng/µl)
- 10 µg pLVX-Tight-Puro-Luc Vector (500 ng/µl)

### Storage Conditions

- Store at  $-20^{\circ}\text{C}$ .

### 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 ( $-70^{\circ}\text{C}$ )

### 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:

- pLVX-Tet-Off Advanced Vector Information Packet
- pLVX-Tight-Puro Vector Information Packet
- pLVX-Tight-Puro-Luc Vector Information Packet

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#### Takara Bio USA, Inc.

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# Certificate of Analysis

Cat. No. 632158

Lenti-X Tet-Off Advanced Vector Set (Not sold separately)

Sold as a part of 632163

## Quality Control Data

### Plasmid Identity & Purity

- The identity of each plasmid was verified by sequencing critical elements, and by electrophoresis on a 0.8% agarose/EtBr gel after restriction enzyme digestion.:

Plasmid Name	Enzyme	Fragments (bp)
pLVX-Tet-Off Advanced	XhoI	11,578
	KpnI	9,718 & 1,860
pLVX-Tight-Puro	XhoI	7,191
	SaII	5,606 & 2,185
pLVX-Tight-Puro-Luc	XhoI	9,424
	SaII	7,239 & 2,185

- The purity of each plasmid was also checked by determining the  $A_{260}/A_{280}$ .

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

## Lenti-X™ Tet-Off® Advanced Vector Set

### CATALOG NO.

632158

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### STATEMENT 42

Use of the Tetracycline controllable expression systems (the "Tet Technology") is covered by a series of patents including U.S. Patent # 7541446, # 8383364, # 9181556, European patents EP # 1200607, # 1954811, #2352833 and corresponding patent claims outside these regions which are proprietary to TET Systems GmbH & Co. KG. Academic research institutions are granted an automatic license with the purchase of this product to use the Tet Technology only for internal, academic research purposes, which license specifically excludes the right to sell, or otherwise transfer, the Tet Technology or its component parts to third parties. Notwithstanding the above, academic and not-for profit research institutions whose research using the Tet Technology is sponsored by for profit organizations, which shall receive ownership to any data and results stemming from the sponsored research, shall need a commercial license agreement from TET Systems in order to use the Tet Technology. In accepting this license, all users acknowledge that the Tet Technology is experimental in nature. TET Systems GmbH & Co. KG makes no warranties, express or implied or of any kind, and hereby disclaims any warranties, representations, or guarantees of any kind as to the Tet Technology, patents, or products. All others are invited to request a license from TET Systems GmbH & Co. KG prior to purchasing these reagents or using them for any purpose. Takara Bio USA, Inc. is required by its licensing agreement to submit a report of all purchasers of the Tet-controllable expression system to TET Systems.

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4/17/2020

# Notice to Purchaser



or use the electronic licensing request form via <http://www.tetsystems.com/ip-licensing/licensing/for-profit-research>

## STATEMENT 55

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