

# Certificate of Analysis

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

**Catalog No.**

631129 (Not sold separately)

Sold as a part of 632105

**Amount**

Each

**Lot Number**

Specified on product label.

### Description

The Retro-X Tet-Off Advanced Vector Set contains retroviral vectors that are used to establish Tet-Off Advanced inducible gene expression in hard-to-transfect, dividing cells. Upon withdrawal of doxycycline from the culture medium, the Tet-Off Advanced protein activates the expression of a gene of interest that has been placed under the control of a tetracycline-responsive promoter.

### Package Contents

- 10 µg pRetroX-Tet-Off Advanced Vector (500 ng/µl)
- 10 µg pRetroX-Tight-Pur Vector (500 ng/µl)
- 10 µg pRetroX-Tight-Pur-Luc 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](http://takarabio.com/manuals)

The following documents apply to this product:

- Retro-X Tet-Off Advanced Expression System User Manual
- pRetroX-Tet-Off-Advanced Vector Information Packet
- pRetroX-Tight-Pur Vector Information Packet
- RetroX-Tight-Pur-Luc Vector Information Packet

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**Takara Bio USA, Inc.**

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## Quality Control Data

### Plasmid Identity & Purity

- The identity of each plasmid was verified by restriction digestion. Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Plasmid Name	Enzyme	Fragments
pRetroX-Tet-Off-Advanced	BamHI	8.1 kb
	EcoRI & XhoI	1.5 & 6.6 kb
pRetroX-Tight-Pur	BamHI	6.6 kb
	HindIII	1.8 & 4.8 kb
pRetroX-Tight-Pur-Luc	BamHI	8.2 kb
	HindIII	1.8 & 6.4 kb

- A<sub>260</sub>/A<sub>280</sub>: 1.8–2.0

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

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

### CATALOG NO.

631129

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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 8

For Research Use Only, Not for Use in Humans.

### STATEMENT 42

Use of the Tetracycline controllable expression systems (the "Tet Technology") is covered by a series of patents including U.S. Patent # 8383364, # 9181556, European patents EP # 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.

For license information, please contact:

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# Notice to Purchaser



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