# Certificate of Analysis

## AAVpro® Tet-One™ Vector Set

| Catalog No. | Amount | Lot Number |
|---|---|---|
| 634311 (Not sold separately)<br>Sold as a part of 634310 | 2 x 10 µg | Specified on product label. |

## Description

When used as part of the AAVpro Tet-One Inducible Expression System (AAV2), the AAVpro Tet-One Vector Set allows for adeno-associated viral delivery and inducible expression of your gene of interest in a wide variety of mammalian cells. pAAV-TetOne is an all-in-one vector that constitutively expresses the Tet-On® 3G transactivator from the constitutive human PGK promoter in the reverse orientation and your gene of interest from the $P_{TRE3GS}$ promoter in the forward orientation. There is no selection marker on this vector for mammalian cells. Target cells transduced with pAAV-TetOne virus containing your transgene will express high levels of your gene, but only when cultured in the presence of doxycycline.

### Package Contents

- 20 µl pAAV-TetOne Vector (500 ng/µl)
- 20 µl pAAV-TetOne-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)

### 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:

- AAVpro Tet-One Inducible Expression System (AAV2) User Manual
- AAVpro Tet-One Vector Information

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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) |
|---|---|---|
| pAAV-TetOne | EcoRI | 4.8 kb |
| | ApaLI | 3.5 kb & 1.2 kb |
| pAAV-TetOne-Luc Control | EcoRI | 6.4 kb |
| | ApaLI | 5.2 kb & 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.

# Notice to Purchaser

## AAVpro® Tet-One™ Vector Set

### CATALOG NO.

**634311**

**NOTICE TO PURCHASER:**

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.

Your use of this product is also subject to compliance with the licensing requirements, listed below if applicable, and described on the product´s web page at http://www.takarabio.com. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

**STATEMENT M83**

This product is the subject of the claims of US patent No. 9422576 and its foreign counterparts.

**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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**TRADEMARKS:**



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