Certificate of Analysis

pLVX-TRE3G-Hom1 Vector Set

Catalog No.	Amount	Lot Number
635087 (Not sold separately). Sold as part of 635086.	Each	Specified on product label.

Description

The pLVX-TRE3G-Hom1 Vector Set is sold as part of the Lenti-X™ iDimerize™ Inducible Homodimer System (with Tet-On® 3G). This system enables lentiviral delivery of your gene of interest into a variety of mammalian cells, and the tightly-regulated expression of your protein of interest, tagged with a domain allowing for inducible protein homodimerization, via addition of a small molecule "dimerizer".

Package Contents

- 20 µl pLVX-TRE3G-Hom1 Vector (500 ng/µl)
- 20 µl pLVX-TRE3G-Luc Control 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-HCI (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 iDimerize Inducible Homodimer System (with Tet-On 3G) User Manual
- pLVX-TRE3G-Hom1 Vector Information
- pLVX-TRE3G-Luc Control 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)
pLVX-TRE3G-Hom1	NheI	8.2 kb
	SalI	2.2 & 6.0 kb
pLVX-TRE3G-Luc Control	XhoI	9.5 kb
	SalI	7.3 & 2.2 kb

- Vector identity was confirmed by sequencing.
- A_{260}/A_{280}: 1.8–2.0

Notice to Purchaser

pLVX-TRE3G-Hom1 Vector Set

CATALOG NO.

635087

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.

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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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STATEMENT 55

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TRADEMARKS:

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