

pLVX-TRE3G-mCherry Vector Set

Catalog No.

631360 (Not sold separately)
Sold as a part of 631349, 631352 & 631355

Amount

Each

Lot Number

Specified on product label.

Description

The pLVX-TRE3G-mCherry vector set is sold as part of Tet-On™ 3G and Tet Express™ Systems, which are inducible gene expression systems for mammalian cells. Protein expression can be monitored by the simultaneous expression of the fluorescent protein mCherry from a bicistronic expression cassette.

Package Contents

- 20 µl pLVX-TRE3G-mCherry 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-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
- Lenti-X Tet Express Inducible Expression System User Manual
- pLVX-TRE3G-mCherry Vector Information
- pLVX-TRE3G-Luc Control Vector Information

Takara Bio USA, Inc.

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Certificate of Analysis

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Propagation in *E. coli*

- Recommended host strain: Stellar™ Competent Cells (Cat. No. 636763).
- Selectable marker: Plasmid confers 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-mCherry	NheI	9.1 kb
	PstI	6.4, 1.5 & 1.2 kb
pLVX-TRE3G-Luc Control	XhoI	9.5 kb
	SaII	7.3 & 2.2 kb

- Vector identity was confirmed by sequencing.
- A₂₆₀/A₂₈₀: 1.8–2.0

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

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STATEMENT 44

The DsRed-Monomer and the Fruit Fluorescent Proteins are covered by one or more of the following U.S. Patents: 7,005,511; 7,157,566; 7,393,923 and 7,250,298.

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Living Colors Fluorescent Protein Products:

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11/15/2019

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