

# Product Components List

## Lenti-X™ Tet-On® 3G Inducible Expression System (EF1alpha, mCherry)

<b>Catalog No.</b>	<b>Amount</b>
631352	each

### Description

The Lenti-X Tet-On 3G Inducible Expression System (EF1alpha, mCherry) is a tetracycline-inducible lentiviral gene expression system that allows you to produce high titers of recombinant, VSV-G pseudotyped lentiviruses for the purpose of establishing a tightly inducible expression system in both dividing and non-dividing cell types. pLVX-TRE3G-mCherry contains an internal ribosome entry site (IRES), allowing the simultaneous induced expression of a gene of interest and a red fluorescent protein marker from the same RNA transcript. The pLVX-EF1a-Tet3G Vector expresses the Tet-On 3G transactivator protein from the human EF1 alpha promoter, allowing long-term expression of the transactivator in a broad range of cell types, including those in which a CMV promoter can be silenced over time, such as hematopoietic stem cells. The kit also includes a complete fourth generation lentiviral packaging system, Lenti-X Packaging Single Shots (VSV-G).

### Package Contents

- pLVX-TRE3G-mCherry Vector Set (Cat. No. 631360; not sold separately) [>>View Components](#)
- pLVX-EF1a-Tet3G Vector (Cat. No. 631359) [>>View Components](#)
- Lenti-X Packaging Single Shots (VSV-G) (Cat. No. 631275) [>>View Components](#)
- Lenti-X GoStix™ Plus (Sample) (Cat. No. 631279; not sold separately) [>>View Components](#)

For storage conditions, please see the Certificate of Analysis supplied with each component.

### 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:

- Lenti-X Tet-On 3G Inducible Expression System User Manual
- Lenti-X Packaging Single Shots (VSV-G) Protocol-At-A-Glance
- Lenti-X GoStix Plus Protocol-At-A-Glance

### Notice to Purchaser

Our products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, *in vitro* diagnostic purposes, therapeutics, or in humans. 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 prior written approval of Takara Bio USA, Inc.

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This document has been reviewed and approved by the Quality Department.

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