**Product Components List**

**Lenti-X™ Bicistronic Expression System (Puro)**

**Catalog No.** 632183

**Amount** each

**Description**

The Lenti-X Bicistronic Expression Systems enable you to produce high-titer recombinant lentivirus for the purpose of transferring genes into dividing or nondividing mammalian cells. The pLVX-IRESPuro Vector contains an internal ribosome entry site (IRES) followed by a drug resistance marker, so that your gene of interest and puromycin resistance are simultaneously coexpressed from a single mRNA transcript. The Lenti-X packaging system is a proprietary combination of plasmids that collectively expresses all the viral proteins necessary for assembling the vector into infectious virions. Lenti-X Packaging Single Shots, which contain lyophilized Lenti-X packaging plasmids and transfection reagent, are used for efficient introduction of the packaging plasmids and the pLVX-IRESPuro Vector into Lenti-X 293T Cells (Cat. No. 632180; not included) to produce lentivirus. These optimized reagents allow the transfected Lenti-X 293T cultures to produce high titters of VSV-G-pseudotyped lentivirus that is both safe and replication-incompetent, and able to transduce virtually any cell type. The Lenti-X GoStix™ Plus can be used to determine whether virus production is within a usable range or for selecting the best time to harvest your virus. The system provides enough reagents for 16 packaging reactions.

**Package Contents**

- pLVX-IRESPuro Vector (Cat. No. 632186; not sold separately) [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 Lentiviral Expression Systems User Manual (PT5135-1)

**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.

Your use of this product is also subject to compliance with any applicable licensing requirements described on the product’s web page at [takarabio.com](http://takarabio.com). It is your responsibility to review, understand and adhere to any restrictions imposed by such statements.

©2015 Takara Bio Inc. All Rights Reserved.

All trademarks are the property of Takara Bio Inc. or its affiliate(s) in the U.S. and/or other countries or their respective owners. Certain trademarks may not be registered in all jurisdictions. Additional product, intellectual property, and restricted use information is available at [takarabio.com](http://takarabio.com).

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