

# Product Components List

## Lenti-X™ Bicistronic Expression System (Neo)

Catalog No.	Amount
632181	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-IRES-Neo Vector contains an internal ribosome entry site (IRES) followed by a drug resistance marker, so that your gene of interest and G418 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 packaging plasmids and transfection reagent, are used for efficient introduction of the Lenti-X packaging mix and the pLVX-IRES-Neo Vector into Lenti-X 293T Cells (Cat. No. 632180; not included) to produce lentivirus. Tet Approved FBS is supplied to ensure the maximal activity of tetracycline-responsive promoters that are used to express high levels of specific packaging mix proteins. The combined activities of these optimized reagents allows the transfected Lenti-X 293T cultures to produce high titers 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-IRES-Neo Vector (Cat. No. 632184; 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)
- Lenti-X Packaging Single Shots Protocol-At-A-Glance

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### 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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