

Product Components List

Lenti-X™ Bicistronic Expression System (Hyg)

Catalog No.	Amount
632182	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 hygromycin 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-Hyg 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-Hyg Vector (Cat. No. 632185; 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

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

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

Takara Bio USA, Inc.

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