

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-IRES-Puro 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-IRES-Puro 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 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-Puro 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

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

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

Takara Bio USA, Inc.

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