

Lenti-X™ SARS-CoV-2 Packaging Mix

Catalog No(s).	Amount	Lot Number
632672	12 rxns	Specified on product label.
632673	12 rxns	Specified on product label.
632674	12 rxns	Specified on product label.
632675	12 rxns	Specified on product label.
631290	12 rxns	Specified on product label.
631291	12 rxns	Specified on product label.

Description

Lenti-X SARS-CoV-2 Packaging Mix provides an extremely simple and consistent one-step method for producing high-titer lentivirus pseudotyped with the spike protein from the SARS-CoV-2 virus. No additional transfection reagent is needed because Lenti-X SARS-CoV-2 Packaging Mix consists of pre-aliquoted, lyophilized, single tubes of Xfect™ Transfection Reagent premixed with an optimized formulation of lentiviral packaging plasmids. High-titer pseudovirus is produced by simply reconstituting this mixture with your lentiviral transfer vector of choice in sterile water and adding it to 293T cells, e.g., Lenti-X 293T Cells (Cat. No. 632180), in a 10-cm dish. Six different versions of Lenti-X SARS-CoV-2 Packaging Mix are available for production of particles pseudotyped with different spike protein variants, including Wuhan-Hu-1 (“WT”), D614G, and B.1.351 spike protein variants in full-length and truncated forms, respectively.

Package Contents

632672:

- Lenti-X SARS-CoV-2 Packaging Mix (WT Spike, Full Length): 12 tubes; green caps (6 tubes / pouch)

632673:

- Lenti-X SARS-CoV-2 Packaging Mix (D614G Spike, Full Length): 12 tubes; purple caps (6 tubes / pouch)

631290:

- Lenti-X SARS-CoV-2 Packaging Mix (B.1.351 Spike, Full Length): 12 tubes; blue caps (6 tubes / pouch)

632674:

- Lenti-X SARS-CoV-2 Packaging Mix (WT Spike, Truncated): 12 tubes; blue caps (6 tubes / pouch)

632675:

- Lenti-X SARS-CoV-2 Packaging Mix (D614G Spike, Truncated): 12 tubes; red caps (6 tubes / pouch)

631291:

- Lenti-X SARS-CoV-2 Packaging Mix (B.1.351 Spike, Truncated): 12 tubes; white caps (6 tubes / pouch)

Takara Bio USA, Inc.

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Certificate of Analysis

Cat. Nos. 632672, 632673, 632674, 632675, 631290, 631291

Lenti-X SARS-CoV-2 Packaging Mix

Storage Conditions

- Store Lenti-X SARS-CoV-2 Packaging Mix at -20°C in the supplied foil pouch containing the desiccant sachet.
- Make sure to return any unused Lenti-X SARS-CoV-2 Packaging Mix to the supplied foil pouch containing the desiccant sachet, and store at -20°C .

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Shipping Conditions

- Dry ice

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Lenti-X SARS-CoV-2 Packaging Single Shots Protocol-at-a-Glance

Quality Control Data

Transfection Test

293T cells were transfected with plasmid DNA encoding AcGFP1 as described in the Lenti-X SARS-CoV-2 Packaging Single Shots Protocol-at-a-Glance. 48 hr post transfection, AcGFP1 expression was assessed by flow cytometry, and transfection efficiency (as determined by the percentage of 293T cells expressing AcGFP1) was demonstrated to be $>75\%$. The presence of virus particles in the supernatant of transfected cells was confirmed using Lenti-X GoStix™ Plus.

Sterility Test

There was no evidence of bacterial or fungal growth after inoculation on thioglycollate medium and tryptic soy broth.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

Lenti-X™ SARS-CoV-2 Packaging Mix (WT Spike, Full Length)

CATALOG NO.

632672, 632673, 632674, 632675, 631290, 631291

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.

Your use of this product is also subject to compliance with the licensing requirements, listed below if applicable, and described on the product's web page at <http://www.takarabio.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

STATEMENT 259

This Product is protected by one or more patents from the family consisting of: JP6454352 and any corresponding patents, divisionals, continuations, patent applications and foreign filings sharing common priority with the same family.

STATEMENT 63

Use of this product is covered by the following U.S. Patent No. and corresponding patent claims outside the U.S.: 8,071,082. This product is intended for research purposes only. It may not be used for (i) any human or veterinary use, including without limitation therapeutic and prophylactic use, (ii) any clinical use, including without limitation diagnostic use, (iii) screening of chemical and/or biological compounds for the identification of pharmaceutically active agents (including but not limited to screening of small molecules), target validation, preclinical testing services, or drug development. Any use of this product for any of the above mentioned purposes requires a license from the Massachusetts Institute of Technology.

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