

Lenti-X™ SARS-CoV-2 Packaging Single Shots

Catalog No(s).	Amount
632668	12 rxns
632669	12 rxns
632670	12 rxns
632671	12 rxns
631292	12 rxns
631293	12 rxns

Description

Lenti-X SARS-CoV-2 Packaging Single Shots enable streamlined production of high-titer lentivirus pseudotyped with the spike protein from SARS-CoV-2 by providing pre-aliquoted, lyophilized, single tubes of Xfect™ Transfection Reagent premixed with an optimized formulation of Lenti-X lentiviral packaging plasmids. Six different packaging formulations are available that allow for production of pseudovirus bearing Wuhan-Hu-1 (“WT”), D614G, or B.1.351 spike protein variants in full-length or truncated forms (truncations involve deletion of the final 19 amino acids of the C-terminus). Virus production simply involves reconstituting the lyophilized packaging mix with a 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.

Also provided with the kit are packaging mixes for production of lentiviral particles lacking an envelope protein (for use as a negative control), and two self-inactivating lentiviral transfer vectors encoding ZsGreen1 and firefly luciferase, respectively, under the CMV promoter, to be used as reporters for lentiviral transduction.

NOTE: The plasmids provided in the Lenti-X SARS-CoV-2 Vector Set must be amplified in bacteria to obtain sufficient quantities for pseudovirus production using the kit.

Package Contents

632668:

- Lenti-X SARS-CoV-2 Packaging Mix (WT Spike, Full Length) (Cat. No. 632672) [>>View Components](#)
- Lenti-X SARS-CoV-2 Packaging Mix (No-Envelope Control) (Cat. No. 632676) [>>View Components](#)
- Lenti-X SARS-CoV-2 Vector Set (Cat. No. 632677; Not sold separately) [>>View Components](#)

632669:

- Lenti-X SARS-CoV-2 Packaging Mix (D614G Spike, Full Length) (Cat. No. 632673) [>>View Components](#)
- Lenti-X SARS-CoV-2 Packaging Mix (No-Envelope Control) (Cat. No. 632676) [>>View Components](#)
- Lenti-X SARS-CoV-2 Vector Set (Cat. No. 632677; Not sold separately) [>>View Components](#)

632670:

- Lenti-X SARS-CoV-2 Packaging Mix (WT Spike, Truncated) (Cat. No. 632674) [>>View Components](#)
- Lenti-X SARS-CoV-2 Packaging Mix (No-Envelope Control) (Cat. No. 632676) [>>View Components](#)
- Lenti-X SARS-CoV-2 Vector Set (Cat. No. 632677; Not sold separately) [>>View Components](#)

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Product Components List

Cat. Nos. 632668, 632669, 632670, 632671, 631292, 6321293

Lenti-X SARS-CoV-2 Packaging Single Shots

632671:

- Lenti-X SARS-CoV-2 Packaging Mix (D614G Spike, Truncated) (Cat. No. 632675) [>>View Components](#)
- Lenti-X SARS-CoV-2 Packaging Mix (No-Envelope Control) (Cat. No. 632676) [>>View Components](#)
- Lenti-X SARS-CoV-2 Vector Set (Cat. No. 632677; Not sold separately) [>>View Components](#)

631292:

- Lenti-X SARS-CoV-2 Packaging Mix (B.1.351 Spike, Full Length) (Cat. No. 631290) [>>View Components](#)
- Lenti-X SARS-CoV-2 Packaging Mix (No-Envelope Control) (Cat. No. 632676) [>>View Components](#)
- Lenti-X SARS-CoV-2 Vector Set (Cat. No. 632677; Not sold separately) [>>View Components](#)

631293:

- Lenti-X SARS-CoV-2 Packaging Mix (B.1.351 Spike, Truncated) (Cat. No. 631291) [>>View Components](#)
- Lenti-X SARS-CoV-2 Packaging Mix (No-Envelope Control) (Cat. No. 632676) [>>View Components](#)
- Lenti-X SARS-CoV-2 Vector Set (Cat. No. 632677; 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 SARS-CoV-2 Packaging Single Shots Protocol-at-a-Glance

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