

# Product Components List

## Lenti-X™ DD Green Reporter System

Catalog No.	Amount
631751	Each

### Description

The Lenti-X DD Green Reporter System includes the Lenti-X DD-ZsGreen1 Vector Set and Shield1. The Lenti-X DD-ZsGreen1 Vector Set includes two lentiviral expression vectors (a reporter vector and a control vector) that produce high titers of recombinant lentivirus, which can efficiently transduce both dividing and nondividing mammalian cells. The system provides enough reagents for 16 packaging reactions. The pLVX-DD-ZsGreen1 Reporter Vector is a promoterless vector that allows you to insert your promoter of interest upstream of the green fluorescent protein ZsGreen1, tagged at its N-terminus with the ProteoTuner™ destabilization domain (DD). In the absence of the membrane-permeant ligand Shield1, the DD causes the reporter protein to be rapidly targeted to and degraded by proteasomes. This very efficient and controllable destabilization method minimizes reporter background fluorescence from leaky promoters prior to promoter activation. To analyze promoter activity, a candidate inducer is added to the medium along with Shield1, which binds to the DD tag and thereby stabilizes the reporter protein and allows it to accumulate. As a result, *only* the reporter molecules expressed *during* promoter induction will contribute to the fluorescence signal, providing a considerably higher signal-to-noise ratio than that obtained with nondestabilized or constitutively destabilized reporter systems. Cells used to monitor uninduced promoters (e.g., the negative control) will be treated with Shield1 alone.

### Package Contents

- Lenti-X DD-ZsGreen1 Vector Set (Cat. No. 631752; not sold separately) >> [View Components](#)
- Lenti-X Packaging Single Shots (VSV-G) (Cat. No. 631275) >> [View Components](#)
- Shield1 (500 µl) (Cat. No. 632189) >> [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:

- DD-Fluorescent Protein Reporter Systems Protocol-At-A-Glance
- Lenti-X Lentiviral Expression Systems User Manual
- Lenti-X Packaging Single Shots Protocol-At-A-Glance
- Lenti-X ProteoTuner Shield Systems User Manual

---

#### Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

U.S. Technical Support: [techUS@takarabio.com](mailto:techUS@takarabio.com)

United States/Canada 800.662.2566 (011118)	Asia Pacific +1.650.919.7300	Europe +33.(0)1.3904.6880	Japan +81.(0)77.565.6999
--	---------------------------------	------------------------------	-----------------------------

## 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.

Your use of this product is also subject to compliance with any applicable licensing requirements described on the product's web page at [takarabio.com](http://takarabio.com). It is your responsibility to review, understand and adhere to any restrictions imposed by such statements.

**©2016 Takara Bio Inc. All Rights Reserved.**

All trademarks are the property of Takara Bio Inc. or its affiliate(s) in the U.S. and/or other countries or their respective owners. Certain trademarks may not be registered in all jurisdictions. Additional product, intellectual property, and restricted use information is available at [takarabio.com](http://takarabio.com).

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