

Lenti-X™ iDimerize™ Reverse Dimerization System

Catalog No.
635076

Amount
each

Description

The Lenti-X iDimerize Reverse Dimerization System lets you control the dimerization/aggregation of a protein of interest in live cells by adding a small molecule, the membrane-permeant compound D/D Solubilizer, to the culture medium. In the absence of the compound, the tagged protein expressed by the system self-assembles into complexes—when the compound is added to the cell medium, the complexes disaggregate, allowing the now soluble tagged proteins to regain their normal function. The system includes the Lenti-X iDimerize Reverse Dimerization Vector Set 1, which contains three lentiviral vectors encoding dimerization tags (DmrD), as well as subcellular localization tags that can be easily fused to your protein of interest. In combination with the Lenti-X HTX Packaging System (Cat. Nos. 631247 & 631249), the optimized Lenti-X constructs allow for packaging and delivery of high-titer lentivirus to the widest range of cell types. Using this system, the activity, localization, secretion, or aggregation state of the resulting chimeric protein can be controlled by the addition of D/D Solubilizer, which is required for dissociation of the complexes and is also included.

Package Contents

- Lenti-X iDimerize Reverse Dimerization Vector Set 1 (Cat. No. 635077; Not sold separately) >> [View Components](#)
- 500 µl D/D Solubilizer (0.5 mM; Cat. No. 635054) >> [View Components](#)

For storage conditions, please see the Certificate of Analysis supplied with each component.

Product Documents

Documents for Clontech products are available for download at www.clontech.com/manuals
The following documents apply to this product:

- Lenti-X iDimerize Reverse Dimerization System User Manual

Notice to Purchaser

Clontech 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. Clontech 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 Clontech Laboratories, Inc.

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

Clontech, the Clontech logo, iDimerize, and Lenti-X are trademarks of Clontech Laboratories, Inc. All other marks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions. Clontech is a Takara Bio Company. ©2011 Clontech Laboratories, Inc.

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

Clontech Laboratories, Inc.

A Takara Bio Company
1290 Terra Bella Avenue, Mountain View, CA 94043, USA
U.S. Technical Support: tech@clontech.com

United States/Canada 800.662.2566
Asia Pacific +1.650.919.7300
Europe +33.(0)1.3904.6880
Japan +81.(0)77.543.6116
Last update: 10/18/2011