

iDimerize™ Reverse Dimerization System

Catalog No.

635066

Description

The iDimerize Reverse Dimerization System lets you control the subcellular localization, catalytic activity, and secretion of a protein of interest in live cells via a membrane-permeant compound. The system includes the iDimerize Reverse Dimerization Vector Set 1, which contains three mammalian expression vectors encoding fusion tags (i.e., self-assembly domains in combination with different localization sequences) that can be easily added to your protein of interest. The aggregation state of the resulting chimeric protein can be controlled by the addition of a small molecule to the cell 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 also includes a membrane-permeant, solubilizing compound, D/D Solubilizer, required for dissolving aggregates, and two linear selection markers for hygromycin and puromycin resistance.

Package Contents

- iDimerize Reverse Dimerization Vector Set 1 (Cat. No. 635062; 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 User Manuals

User manuals for Clontech products are available for download at www.clontech.com/manuals.

The following user manuals apply to this product:

- iDimerize Reverse Dimerization System User Manual (PT5180-1)

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

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