

## iDimerize™ Inducible Homodimer Vector Set 2

<b>Catalog No.</b>	<b>Amount</b>	<b>Lot Number</b>
635085 (Not sold separately). Sold as a part of 635084.	Each	Specified on product label.

### Description

The iDimerize Inducible Homodimer Vector Set 2 is sold as part of the iDimerize Inducible Homodimer System (with Tet-On® 3G), which lets you control the expression level and dimerization of a protein of interest in live cells. The set contains a mammalian expression vector (pTRE3G-Hom1) that allows doxycycline-dependent expression of your protein of interest, tagged with the DmrB domain. Homodimerization of the resulting DmrB-tagged protein is controlled via addition of a small molecule “dimerizer”.

### Package Contents

- 20 µl pTRE3G-Hom1 Vector (500 ng/µl)
- 20 µl pTRE3G-Luc Control Vector (500 ng/µl)
- 40 µl Linear Puromycin Marker (50 ng/µl)
- 40 µl Linear Hygromycin Marker (50 ng/µl)

### Storage Conditions

- Store plasmids at –20°C.
- Spin briefly to recover contents.
- Avoid repeated freeze/thaw cycles.

### Shelf Life

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

### Storage Buffer

- 10 mM Tris-HCl (pH 8.0), 1 mM EDTA (pH 8.0)

### Shipping Conditions

- Dry ice (–70°C)

### 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:

- iDimerize Inducible Homodimer System (with Tet-On 3G) User Manual
- pTRE3G-Hom1 Vector Information
- pTRE3G-Luc Control Vector Information

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#### Takara Bio USA, Inc.

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# Certificate of Analysis

Cat. No. 635085

iDimerize Inducible Homodimer Vector Set 2 (Not sold separately)

Sold as a part of Cat. No. 635084

## Propagation in *E. coli*

- Recommended host strain: Stellar™ Competent Cells (Cat. No. 636763).
- Selectable marker: Plasmids confer resistance to ampicillin (100 µg/ml) in *E. coli* hosts.
- *E. coli* replication origin: pUC

## Quality Control Data

### Plasmid Identity & Purity

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

<b>Vector</b>	<b>Enzyme(s)</b>	<b>Fragment(s)</b>
pTRE3G-Hom1	EcoRI	3.8 kb
	BsrBI	1.8 & 2.0 kb
pTRE3G-Luc Control	XhoI	5.1 kb
	BamHI, EcoRI	3.0 & 2.1 kb

- Vector identity was confirmed by sequencing.
- A<sub>260</sub>/A<sub>280</sub>: 1.8–2.0

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

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### CATALOG NO.

635085

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5/4/2018

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