

## pTRE -Tight Vector

**Catalog No.**  
631059

**Amount**  
20 µg

**Lot Number**  
Specified on product label.

### Description

pTRE-Tight is a cloning vector that expresses a gene of interest from the Tet-responsive element (TRE) upon activation by either the tTA or rTA regulatory protein. It can be used with any established Tet-On® or Tet-Off® cell line, or in conjunction with the regulatory plasmids from any Tet, Retro-X™ Tet, or Lenti-X™ Tet Kit.

- **Plasmid size:** 2.6 kb
- **Cloning sites:** EcoRI, KpnI, SmaI, BamHI, PvuII, MluI, NheI, EagI, NotI, ClaI, HindIII, SalI, AccI, EcoRV, XbaI
- **Antibiotic resistance:** Ampicillin (100 µg/ml; for propagation in *E. coli*)

### Package Contents

- 20 µg pTRE-Tight Vector
- 20 µg pTRE-Tight Luc Vector

### Storage Conditions

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

### Expiration Date

- Specified on product label.

### Storage Buffer

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

### Concentration

- 500 ng/µl

### Shipping Conditions

- Dry ice

### 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:

- pTRE-Tight vector information
- Tet-On Advanced Inducible Gene Expression System User Manual
- Tet-Off Advanced Inducible Gene Expression System User Manual

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#### Takara Bio USA, Inc.

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## 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</b>	<b>Size</b>
pTRE-Tight Vector	XhoI	2.0 & 0.6 kb
	PvuI	2.6 kb
pTRE-Tight-Luc Vector	BamHI / NheI	2.6 & 1.6 kb
	XbaI	4.2 kb

- Vector identity was confirmed by sequencing.
- $A_{260}/A_{280}$ : 1.8–2.0

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

## pTRE-Tight Vector

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### NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. 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 our prior written approval.

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