

pTRE3G-BI-ZsGreen1 Vector Set

Catalog No.	Amount	Lot Number
631334 (Not sold separately). Sold as part of 631339, 631342, & 631345.	Each	Specified on product label.

Description

The pTRE3G-BI-ZsGreen1 Vector Set is sold as part of Takara's bidirectional Tet-On® 3G and Tet-Express™ Systems. These systems are tetracycline-inducible expression systems for mammalian cells allowing the simultaneous induced expression of a gene of interest and a bright green fluorescent protein marker (ZsGreen1) from a bidirectional, Tet-responsive promoter.

Package Contents

- 20 µl pTRE3G-BI-ZsGreen1 Vector (500 ng/µl)
- 20 µl pTRE3G-BI-Luc Control Vector (500 ng/µl)
- 40 µl Linear Hygromycin Marker (50 ng/µl)
- 40 µl Linear Puromycin Marker (50 ng/µl)

Storage Conditions

- Store 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)

Concentration

- 50 ng/µl & 500 ng/µl

Shipping Conditions

- Dry ice (-70°C)

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Tet-On 3G Expression Systems User Manual (PT5148-1)
- pTRE3G-BI-ZsGreen1 Vector Information

Takara Bio USA, Inc.

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Certificate of Analysis

Cat. No. 631334

pTRE3G-BI-ZsGreen1 Vector Set

Sold as part of Cat. Nos. 631339, 631342, & 631345

- pTRE3G-BI-Luc Control Vector Information

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:

Vector	Enzyme(s)	Size (kb)
pTRE3G-BI-ZsGreen1	XhoI	3.6 kb
	XhoI, XbaI	2.8 & 0.8 kb
pTRE3G-BI-Luc Control	XhoI	4.5 kb
	BamHI, EcoRI	4.0 & 0.5 kb

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

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CATALOG NO.

631334

NOTICE TO PURCHASER:

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STATEMENT 24

The RCFPs (including DsRedExpress, DsRedExpress2, and E2-Crimson) are covered by one or more of the following U.S. Patent Nos. 7,166,444; 7,157,565; 7,217,789; 7,338,784; 7,338,783; 7,537,915; 6,969,597; 7,150,979; 7,442,522 and 8,012,682.

STATEMENT 72

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STATEMENT 42

Use of the Tetracycline controllable expression systems (the "Tet Technology") is covered by a series of patents including U.S. Patent # 7541446, # 8383364, # 9181556, European patents EP # 1200607, # 1954811, #2352833

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