

pTet-tTS Vector

Catalog No.

631011

Amount

20 µg

Lot Number

Specified on product label.

Description

The pTet-tTS Vector is designed for use with the Tet-On® Gene Expression System. pTet-tTS constitutively expresses the tetracycline-controlled transcription silencer (tTS). In the absence of Dox, tTS binds the tet-response element (TRE) in the response vector, thus preventing expression of the gene of interest. Upon addition of Dox, the tTS is released from the TRE, and gene expression is induced by binding of the rtTA regulatory protein to the TRE. ptTS-Control Vector is provided to test the functionality of pTet-tTS in mammalian cells.

Package Contents

- 20 µg pTet-tTS Vector (500 ng/µl)
- 20 µg ptTS-Control Vector (500 ng/µl)

Plasmid Size

- 4.3 kb

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

- Blue ice (4°C) or 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:

- pTet-tTS Vector Information (PT3334-5)

Propagation in *E. coli*

- Selectable marker: Plasmids confer resistance to ampicillin (100 µg/ml) in *E. coli* hosts.

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:

Vector	Enzyme(s)	Fragment(s)
pTet-tTS Vector	HindIII	4.3 kb
	EcoRI, HindIII	3.0 & 1.3 kb
ptTS-Control Vector	XhoI	5.8 kb
	EcoRI	4.0, 1.1 & 0.7 kb

- 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.

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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 and corresponding patent claims outside these regions which are proprietary to TET Systems GmbH & Co. KG. Academic research institutions are granted an automatic license with the purchase of this product to use the Tet Technology only for internal, academic research purposes, which license specifically excludes the right to sell, or otherwise transfer, the Tet Technology or its component parts to third parties. Notwithstanding the above, academic and not-for profit research institutions whose research using the Tet Technology is sponsored by for profit organizations, which shall receive ownership to any data and results stemming from the sponsored research, shall need a commercial license agreement from TET Systems in order to use the Tet Technology. In accepting this license, all users acknowledge that the Tet Technology is experimental in nature. TET Systems GmbH & Co. KG makes no warranties, express or implied or of any kind, and hereby disclaims any warranties, representations, or guarantees of any kind as to the Tet Technology, patents, or products. All others are invited to request a license from TET Systems GmbH & Co. KG prior to purchasing these reagents or using them for any purpose. Takara Bio USA, Inc. is required by its licensing agreement to submit a report of all purchasers of the Tet-controllable expression system to TET Systems.

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5/8/2018

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