

pTet-On Vector

Catalog No.
631018

Amount
20 µg

Lot Number
Specified on product label.

Description

pTet-On is used to create stable Tet-On® cell lines. pTet-On expresses the reverse tet-responsive transcriptional activator (rtTA) from the strong immediate early promoter of cytomegalovirus (P_{CMV}). The rtTA is able to bind to the tet-responsive element (TRE) in the presence of doxycycline (Dox) to activate transcription. As Dox is added to the culture medium, transcription from the TRE is turned on in a highly dose-dependent manner.

Package Contents

- 1 tube of pTet-On Vector

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)

Concentration

- 500 ng/µl

Shipping Conditions

- Dry ice (-70°C)

Product Documents

Documents for Clontech® products are available for download at www.clontech.com/manuals
The following documents apply to this product:

- pTet-On Vector Information Packet (PT3072-5)

Propagation in *E. coli*

- Ampicillin (50 µg/ml)

Clontech Laboratories, Inc.

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Quality Control Data

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

Vector	Enzyme(s)	Size (kb)
pTet-On Vector	HindIII/XhoI	0.9, 1.4, 2.2, & 2.9 kb
• A ₂₆₀ /A ₂₈₀ : 1.8–2.0		

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