

## Tet-One™ Inducible Expression System Components List

**Catalog No**  
634301

**Amount**  
each

### Description

The Tet-One Inducible Expression System is a tetracycline-inducible gene expression system that allows you to establish a tightly inducible expression system for your gene of interest in mammalian cells using an all-in-one plasmid vector. The pTetOne Vector expresses the Tet-On® 3G transactivator from the constitutive human PGK promoter in the forward orientation, and your gene of interest from the  $P_{TRE3GS}$  promoter in the reverse orientation. In the presence of doxycycline (Dox), the Tet-On 3G transactivator specifically binds and activates high-level transcription from the inducible promoter that controls expression of your gene. In addition, the kit contains linear selection markers for resistance to puromycin and hygromycin, either of which can be cotransfected with the pTetOne Vector to obtain stable clones. It also includes Xfect™ Transfection Reagent and Tet System Approved FBS.

### Package Contents

- pTetOne Vector Set (Cat. No. 634303; not sold separately) >> [View Components](#)
- Xfect Transfection Reagent (Cat. No. 631317) >> [View Components](#)
- Tet System Approved FBS, US-Sourced (Cat. No. 631105) >> [Search Lot # on our website to download](#)

For storage conditions, please see the Certificate of Analysis supplied with each component.

### Product Documents

Documents for Clontech® products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals)

The following documents apply to this product:

- Tet-One Inducible Expression System User Manual
- Xfect Transfection Reagent Protocol-At-A-Glance

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This document has been reviewed and approved by the Clontech Quality Assurance Department.

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