

Retro-X™ Tet-One™ Inducible Expression System (Puro)

Catalog No
634307

Amount
Each

Description

The Retro-X Tet-One Inducible Expression System (Puro) is a tetracycline-inducible retroviral gene expression system that allows you to produce high titers of recombinant retroviruses for the purpose of establishing a tightly inducible expression system for your gene of interest in a wide variety of dividing mammalian cells. The all-in-one pRetroX-TetOne-Puro 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, this vector contains a puromycin antibiotic selection marker. The kit also includes our Retro-X Universal Packaging System, our premium retroviral packaging system featuring the GP2-293 packaging cell line. All four commonly used envelopes are supplied on separate vectors, including VSV-G, eco, amphi and 10A1, to allow you to choose the tropism that is most appropriate for your target cells.

Package Contents

- pRetroX-TetOne-Puro Vector Set (Cat. No. 634309; not sold separately) >> [View Components](#)
- Retro-X Universal Packaging System (Cat. No. 631530) >> [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

The following documents apply to this product:

- Retro-X Tet-One Inducible Expression Systems User Manual
- Xfect Transfection Reagent Protocol-At-A-Glance

Notice to Purchaser

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

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