

Tet-On® 3G Inducible Expression System (EF1alpha, Bicistronic)

Catalog No.

631346

Amount

Each

Description

The Tet-On 3G Inducible Expression System (EF1alpha, Bicistronic) is a powerful, tightly regulated, tetracycline-inducible mammalian expression system that is controlled by the addition of doxycycline to the culture medium. This system allows the simultaneous expression of two genes of interest under the control of a Tet-responsive promoter that binds the Tet-On 3G transactivator protein in the presence of doxycycline. It includes the pTRE3G-IRES Vector Set, consisting of an IRES-based vector into which both genes of interest can be cloned and simultaneously expressed, a control vector that inducibly expresses luciferase—and the pEF1a-Tet3G Vector, which constitutively expresses the Tet-On 3G transactivator protein from a human elongation factor 1 alpha (EF1 α) promoter, allowing expression of the protein in a variety of mammalian cells (such as hematopoietic or stem cells) without the transgene silencing associated with CMV promoters. This system also includes our highly efficient Xfect™ Transfection Reagent and Tet System Approved FBS.

Package Contents

- pTRE3G-IRES Vector Set (Cat. No. 631174; Not sold separately) >> [View Components](#)
- pEF1a-Tet3G Vector (Cat. No. 631336; 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](#)

Product User Manuals

User manuals for Clontech products are available for download at www.clontech.com/manuals.

The following user manuals apply to this product:

- Tet-On 3G Inducible Expression Systems User Manual (PT5148-1)
- Xfect Protocol-at-a-Glance (PT5003-2)

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

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