

## HepG2 Tet-On® Advanced Cell Line

**Catalog No.**

630932 (Not sold separately)

**Lot Number**

Specified on product label.

### Description

HepG2 Tet-On Advanced is a human hepatocellular carcinoma-derived cell line that expresses the tetracycline-regulated transactivator Tet-On Advanced (1, 2). Inducible expression of any gene can be achieved by transfecting or transducing this cell line with a vector containing your gene of interest under the control of a tetracycline-responsive promoter. Expression is induced by the addition of doxycycline (Dox) to the culture medium.

### Package Contents

- 1 ml HepG2 Tet-On Advanced Cell Line ( $2.0 \times 10^6$  cells/tube)

### Storage Conditions

- Store cells in liquid nitrogen ( $-196^\circ\text{C}$ ) or in a  $-150^\circ\text{C}$  freezer.

### Shelf Life

- 1 year from date of receipt under proper storage conditions.

### Storage Medium

- Cell Freezing Medium-DMSO 1x (Sigma-Aldrich Co., Cat. No. C6164)

### Shipping Conditions

- Dry ice ( $-70^\circ\text{C}$ )

### Product User Manuals

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

The following user manuals apply to this product:

- Tet-On Advanced Inducible Gene Expression System User Manual (PT3898-1)
- Tet Cell Lines Protocol-at-a-Glance (PT3001-2)

### Cell Type Information

HepG2 Tet-On Advanced is a human hepatocellular carcinoma-derived cell line stably transfected with pTet-On-Advanced. This cell line is G418-resistant.

### Recommended Cell Culture Medium

Grow the cells in 90% Eagle Minimum Essential Medium (alpha modification), 10% Tet System Approved Fetal Bovine Serum (FBS), 4 mM L-glutamine, 100  $\mu\text{g}/\text{ml}$  G418, 100 units/ml penicillin G sodium, 100  $\mu\text{g}/\text{ml}$  streptomycin sulfate, and 0.1 mM non-essential amino acids, in the presence of 5%  $\text{CO}_2$ .

---

**Clontech Laboratories, Inc.**

A Takara Bio Company

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

U.S. Technical Support: [tech@clontech.com](mailto:tech@clontech.com)

United States/Canada	Asia Pacific	Europe	Japan
800.662.2566	+1.650.919.7300	+33.(0)1.3904.6880	+81.(0)77.543.6116

(082014)

## References

1. Gossen, M. & Bujard, H. (1992) *Proc. Natl. Acad. Sci. USA* **89**(12):5547–5551.
2. Urlinger, S. *et al.* (2000) *Proc. Natl. Acad. Sci USA* **97**(14):7963–7968.

## Quality Control Data

### Functional Tests

HepG2 Tet-On Advanced cells were transiently transfected with pTRE-Tight-Luc. Luciferase activity in the presence and absence of 1 µg/ml doxycycline (Cat. No. 631311) was measured 72 hr later as described in the Tet-On Advanced Inducible Gene Expression System User Manual. Induction was observed to be at least 50-fold when cells were grown in medium containing Clontech's Tet System Approved FBS.

### Mycoplasma Contamination Test

This lot of cells has been tested and found to be free of mycoplasma contamination.

## HepG2 Tet-On® Advanced Cell Line

### CATALOG NO.

630932

### NOTICE TO PURCHASER:

Our products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of Clontech Laboratories, Inc.

Your use of this product is also subject to compliance with the licensing requirements listed below and described on the product's web page at <http://www.clontech.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

### STATEMENT 42

Use of the Tetracycline controllable expression systems (the "Tet Technology") is covered by a series of patents including U.S. Patent Nos. 6087166, 6271341, 7541446, 8383364, European Patents: EP 0990030, 1954811, 2050818, 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 all 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. Clontech is required by its licensing agreement to submit a report of all purchasers of the Tet-controllable expression system to TET Systems. For license information, please contact: GSF/CEO TET Systems GmbH & Co. KG, Im Neuenheimer Feld 582 69120 Heidelberg Germany Tel: +49 6221 5880400 Fax: +49 6221 5880404 email: [info@tetsystems.com](mailto:info@tetsystems.com) or use the electronic licensing request form via [www.tetsystems.com/main\\_inquiry.htm](http://www.tetsystems.com/main_inquiry.htm)

### TRADEMARKS:

---

#### Clontech Laboratories, Inc.

A Takara Bio Company  
1290 Terra Bella Avenue, Mountain View, CA 94043, USA  
U.S. Technical Support: [tech@clontech.com](mailto:tech@clontech.com)

10/7/2015

United States/Canada	Asia Pacific	Europe	Japan
800.662.2566	+1.650.919.7300	+33.(0)1.3904.6880	+81.(0)77.543.6116

# Notice to Purchaser



---

Clontech, the Clontech logo, and Tet-On are trademarks of Clontech Laboratories, Inc.

All other marks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions. Clontech is a Takara Bio Company. ©2015 Clontech Laboratories, Inc. This document has been reviewed and approved by the Clontech Quality Assurance Department.

---

**Clontech Laboratories, Inc.**

A Takara Bio Company

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

U.S. Technical Support: [tech@clontech.com](mailto:tech@clontech.com)

10/7/2015

**United States/Canada**

**Asia Pacific**

**Europe**

**Japan**

800.662.2566

+1.650.919.7300

+33.(0)1.3904.6880

+81.(0)77.543.6116