

## HT-1080 Tet-Off<sup>®</sup> Cell Line

### Table of Contents

Description.....	1
Cell Type Information.....	1
Recommended Cell Culture Medium .....	2
Additional Notes .....	2
Quality Control Data.....	2

### Catalog No.

630916 (Not sold separately)

### Lot Number

Specified on product label.

### Description

HT1080 Tet-Off is a human fibrosarcoma-derived cell line that expresses the tetracycline-regulated transactivator Tet-Off (1). 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 withdrawal of doxycycline (Dox) from the culture medium.

### Package Contents

- 1 ml HT-1080 Tet-Off Cell Line (2.0 x 10<sup>6</sup> cells/tube)

### Storage Conditions

- Liquid nitrogen vapor phase

### Shelf Life

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

### Storage Medium

- 70% Tet System Approved FBS, 20% DMEM, and 10% DMSO

### Shipping Conditions

- Domestic: Dry ice (-70°C)
- International: Dry ice (-70°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-Off<sup>®</sup> and Tet-On<sup>®</sup> Gene Expression Systems User Manual (PT3001-1)
- Tet Cell Lines Protocol-at-a-Glance (PT3001-2)

### Cell Type Information

HT-1080 Tet-Off is a human fibrosarcoma-derived cell line stably transduced with a pRev-tTA-IN retroviral vector. This cell line is G418 resistant.

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## Recommended Cell Culture Medium

Grow the cells in 90% Dulbecco's Modified Eagle's Medium (DMEM), 10% Tet System Approved Fetal Bovine Serum (FBS), 4 mM L-glutamine, 100 µg/ml G418, 100 units/ml penicillin G sodium, and 100 µg/ml streptomycin sulfate, in the presence of 5% CO<sub>2</sub>.

## Additional Notes

Infection of this cell line with replication-competent retrovirus may result in the mobilization of the pRev-tTA-In insert. Exercise due caution according to NIH guidelines when working with replication-competent virus.

## References

1. Gossen, M. & Bujard, H. (1992) *Proc. Natl. Acad. Sci. USA* **89**(12):5547–5551.

## Quality Control Data

### Functional Tests

HT-1080 Tet-Off cells were transiently transfected by electroporation with pTRE2-Luc. Luciferase activity in the presence and absence of 1 µg/ml doxycycline (Cat. No. 631311) was measured 48 hr later as described in the Tet Systems User Manual. Induction was observed to be at least 100-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.

### Test for Replication-Competent Virus

The HT-1080 Tet-Off Cell Line was found to be free of replication-competent virus.

**NOTE:** Infection of this cell line with replication-competent retrovirus may result in the mobilization of the pRev-tTA-In insert. Exercise due caution according to NIH guidelines when working with replication-competent virus.

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