Certificate of Analysis

Adeno-X™ 293 Cell Line

Catalog No.	Lot Number
632271	Specified on product label.

Description

The Adeno-X 293 Cell Line is a low-passage transformed human embryonic kidney cell line for the production of adenovirus stocks. Adenovirus stocks can be produced by either transfecting this cell line with a linearized adenoviral vector (such as the linear vectors supplied with any Adeno-X System 3) or infecting with a viable adenovirus seed stock. The slower growth rate exhibited by this line reduces cell death due to overconfluence, and therefore facilitates more efficient rescue and amplification. These cells also possess strong adherence and are highly transfectable.

Package Contents

- 1 ml Adeno-X 293 Cell Line (2.0 x 10^6 cells/tube)

Storage Conditions

- Store cells in liquid nitrogen (-196°C) or in a -150°C freezer

Shelf Life

- 1 year from date of receipt under proper storage conditions

Storage Medium

- Recommended cell culture medium/FBS/DMSO

Shipping Conditions

- Dry ice (–70°C)

Product Documents

Documents for Clontech® products are available for download at **www.clontech.com/manuals**
The following documents apply to this product:

- Adeno-X Expression System 1 User Manual (PT3414-1)
- Adeno-X Adenoviral System 3 User Manual (PT5177-1)
- Adeno-X 293 Cell Line Protocol-at-a-Glance

Cell Type Information

The Adeno-X 293 Cell Line is a low-passage, transformed human embryonic kidney-derived cell line selected for efficient adenovirus production and high transfection efficiency.

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, in the presence of 5% 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

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

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Additional Notes

We recommend using collagen-coated plates or flasks for culturing, for efficient recovery of frozen stocks. Culture vessels coated with compounds other than collagen may also provide suitable growth substrates for HEK 293-based cell lines; however, only collagen-coated plates (e.g. BD BioCoat Cellware, Collagen Type I) have been tested at Clontech. The cells may be cultured on noncoated flasks/dishes after recovery; however, if adherence is poor, we recommend collagen-coated vessels for all culturing purposes.

References

1. Graham, F. L., Smiley, J., Russel, W. C. & Nairn, R. (1977) Characteristics of a human cell line transformed by DNA from human adenovirus type 5. *J. Gen. Virol*. **36**(1):59–72.

Quality Control Data

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

Notice to Purchaser

Adeno-X™ 293 Cell Line

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NOTICE TO PURCHASER:

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STATEMENT 223

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Clontech Laboratories, Inc.
A Takara Bio Company
1290 Terra Bella Avenue, Mountain View, CA 94043, USA
U.S. Technical Support: tech@clontech.com

4/2/2014

United States/Canada	Asia Pacific	Europe	Japan
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