

Adeno-X™ Promoterless Vector Set (with DsRed-Express)

Catalog No.	Amount	Lot Number
632259 (not sold separately; sold as a part of 632265)	10 rxns	Specified on product label.

Description

The Adeno-X Promoterless Vector Set (with DsRed-Express) is supplied with the Adeno-X Adenoviral System 3 (Universal, Red) [Cat. No. 632265], which lets you place an expression cassette of your choice in an adenoviral vector format. The system provides a perfect platform for the tissue-specific expression of your gene of interest, or for the efficient delivery of shRNA or microRNA. pAdenoX-PRLS-DsRedExpress is a prelinearized, adenoviral vector that is ready for the insertion of an expression cassette via In-Fusion® HD PCR cloning technology. Simply PCR-amplify the expression cassette and combine it with pAdenoX-PRLS-DsRedExpress in an In-Fusion HD Cloning reaction. In-Fusion HD Cloning is fast, simple, precise, and efficient, making Adeno-X Adenoviral System 3 the most advanced, commercially-available, adenoviral gene delivery tool. In addition, independent, constitutive expression of the fluorescent protein DsRed-Express from the E3 region of the adenoviral genome allows fluorescence visualization of infected cells during rescue, amplification, and target cell infection.

Package Contents

- 10 µl pAdenoX-PRLS-DsRedExpress (Linear) Vector (200 ng/µl)
- 50 µl Adeno-X Screening Primer Mix 3 (10 µM)
- 20 µl Adeno-X Control Fragment (50 ng/µl)

Storage Conditions

- Store at -20°C.
- Spin briefly to recover contents.
- Avoid repeated freeze/thaw cycles.

Shelf Life

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

Shipping Conditions

- Dry ice (-70°C)

Product Documents

Documents for our products are available for download at takarabio.com/manuals
The following documents apply to this product:

- Adeno-X Adenoviral System 3 User Manual (PT5177-1)
- pAdenoX-PRLS-DsRedExpress (Linear) Vector Map

Takara Bio USA, Inc.

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Certificate of Analysis

Cat. No. 632259

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Sold as a part of 632265

Quality Control Data

Plasmid Identity & Purity

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Vector	Enzymes	Fragment Sizes
pAdenoX-PRLS-DsRedExpress	NheI	687, 1508, 2827, 3848, 10,342, & 15,147 bp
	XhoI	595, 1445, 2466, 5653, 9700 & 14,500 bp
	PacI	10, 2965, & 31,380 bp

- Vector identity was confirmed by sequencing.
- A₂₆₀/A₂₈₀: 1.8–2.0

Functional Testing

The Adeno-X Adenoviral System 3 (Universal, red) was tested using the control fragment (*lacZ*) according to the protocol described in the Adeno-X Adenoviral System 3 User Manual (PT5177-1). Chemically competent Stellar *E. coli* cells were transformed with 1.5 µl of the In-Fusion reaction mixture. After 60 min at 37°C in SOC medium, the cells were plated on agar containing 100 µg/ml ampicillin. Transformants were grown at 37°C for 24–30 hrs. PCR colony screening with the Adeno-X Screening Primer Mix revealed that >50% of the resultant colonies contained recombinant adenoviral DNA.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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CATALOG NO.

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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. 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 our prior written approval.

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STATEMENT 25

This product is covered by U.S. Patent No. 6,303,362.

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Living Colors Fluorescent Protein Products:

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4/6/2021

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DsRed2, DsRedExpress, DsRedExpress2, E2-Crimson, HcRed and pTimer are covered by one or more of the following U.S. Patent Nos. 7,166,444; 7,150,979; 7,157,565; 7,183,399; 7,858,844; 8,093,450; 8,461,769 and non-U.S. international equivalents in some countries.

TRADEMARKS:

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