

Certificate of Analysis

pLVX-puro-Cas9 Vector

Catalog No.

632631 (Not sold separately)
Sold as a part of 632629

Amount

20 µl

Lot Number

Specified on product label.

Description

The pLVX-puro-Cas9 vector is provided as part of the Lenti-X™ CRISPR/Cas9 System. This vector is designed for lentiviral-mediated delivery of Cas9 nuclease expressed from a CMV promoter. The Cas9 is the wild-type nuclease from *S. pyogenes*. Stable integration can be selected using puromycin.

Package Contents

- 20 µl pLVX-puro-Cas9 Vector (500 ng/µl)

Storage Conditions

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

Expiration Date

- Specified on product label.

Storage Buffer

- 10 mM Tris-HCl (pH 8.0), 1 mM EDTA (pH 8.0)

Shipping Conditions

- Dry ice

Product Documents

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

- Lenti-X CRISPR/Cas9 System User Manual
- Lenti-X Packaging Single Shots Protocol-At-A-Glance
- pLVX-puro-Cas9 Vector Information

Propagation in *E. coli*

- Recommended host strain: Stellar™ Competent Cells (Cat. No. 636763)
- Selectable marker: Plasmids confer resistance to ampicillin (100 µg/ml) in *E. coli* hosts.
- *E. coli* replication origin: pUC

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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	Fragments
pLVX-puro-Cas9	XbaI	12.3 kb
	XhoI	8.6 & 3.7 kb

- Vector identity was confirmed by sequencing.
- A_{260}/A_{280} : 1.8–2.0

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

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CATALOG NO.

632631

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