

pCMV-LacZ Vector

Catalog No.
631719

Amount
25 µg

Lot Number
Specified on product label.

Description

pCMV-LacZ is a mammalian expression vector designed for the expression of β-galactosidase in mammalian cells from the human cytomegalovirus immediate early gene promoter. The β-gal gene is located within a pair of Not I restriction sites for excision and replacement with another gene of interest. pCMV-LacZ may be used for optimizing transfection conditions, as a control plasmid for other reporter gene constructs, or for expressing genes inserted in place of β-gal.

- **Plasmid Size:** 7.2 kb
- **Antibiotic Resistance:** Ampicillin (100 µg/ml for propagation in *E. coli*)

Package Contents

- 25 µg pCMV-LacZ Vector (500 ng/µl)

Storage Conditions

- Store 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)

Concentration

- 500 ng/µl

Shipping Conditions

- Dry ice

Product Documents

Documents for our products are available for download at [takarabio.com/manuals](https://www.takarabio.com/manuals)

The following documents apply to this product:

- pCMV-LacZ Vector Information
- pCMV-LacZ Vector Sequence in GenBank Format

Certificate of Analysis

Cat. No. 631719

pCMV-LacZ Vector

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
pCMV-LacZ	BglI	2.7, 2.1, 1.1 & 0.86 kb
	NotI	3.7 & 3.5 kb

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

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

pCMV-LacZ Vector

CATALOG NO.

631719

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.

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

TRADEMARKS:

©2025 Takara Bio Inc. All Rights Reserved.

All trademarks are the property of Takara Bio Inc. or its affiliate(s) in the U.S. and/or other countries or their respective owners. Certain trademarks may not be registered in all jurisdictions.

Takara Bio USA, Inc.

2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: technical_support@takarabio.com

United States/Canada

800.662.2566

Asia Pacific

+1.650.919.7300

Europe

+33.(0)1.3904.6880

Japan

+81.(0)77.565.6999

4/23/2025