

pBI-CMV1 Vector

Catalog No.

631630

Amount

20 µg

Lot Number

Specified on product label.

Description

pBI-CMV1 is a mammalian, bidirectional expression vector that allows the constitutive expression of two proteins of interest. Each gene must be cloned into one of the two independent multiple cloning sites (MCS 1 and MCS 2) and contain both an initiation codon and a stop codon. Protein expression is driven by one of two constitutively active human cytomegalovirus promoters, $P_{CMV\ IE}$ and P_{minCMV} , located just upstream of MCS 1 and MCS 2, respectively.

- **Plasmid Size:** 3.1 kb
- **Cloning Sites:**
 - MCS 1: BamHI, ClaI, EagI, EcoRV, HindIII, MluI, NheI, NotI, PvuII, SalI
 - MCS 2: ApaI, BglII, EcoRI, PstI, XbaI
- **Antibiotic Resistance:** Ampicillin (100 µg/ml for propagation in *E. coli* DH5α)

Package Contents

- 20 µg pBI-CMV1 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

The following documents apply to this product:

- pBI-CMV1 Vector Information
- pBI-CMV1 Vector Sequence in GenBank Format

Takara Bio USA, Inc.

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Certificate of Analysis

Cat. No. 631630

pBI-CMV1 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:

| Enzymes | Fragments |
|---------------|--------------|
| BamHI | 3.1 kb |
| BamHI & EcoRI | 2.4 & 0.7 kb |

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