

pBI-CMV2 Vector

Catalog No.
631631

Amount
20 µg

Lot Number
Specified on product label.

Description

pBI-CMV2 is a mammalian bidirectional expression vector designed to constitutively express a protein of interest and AcGFP1, a green fluorescent protein derived from *Aequorea coerulea*. The vector allows straightforward detection of transfected mammalian cells by flow cytometry or fluorescence microscopy, as cells expressing the protein of interest can be quickly identified by screening for AcGFP1 fluorescence. Protein expression is driven by one of two constitutively active human cytomegalovirus promoters: P_{CMV IE} drives the expression of the protein of interest, and P_{minCMV} drives the expression of AcGFP1.

- **Plasmid Size:** 3.8 kb
- **Antibiotic Resistance:** Ampicillin (100 µg/ml for propagation in *E. coli* DH5α)

Package Contents

- 20 µg pCMV-CMV2 Vector

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

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Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- pBI-CMV2 Vector Information
- pBI-CMV2 Vector Sequence in GenBank Format

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	Fragment Size (kb)
BamHI	3.8
BamHI & EcoRI	3.1 & 0.7

- Vector identity of each vector 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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STATEMENT 39

AcGFP is covered by U.S. Patent Numbers; 7,432,053, 7,667,016, 7,879,988 and 7,897,726.

STATEMENT 72

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