

## pBI-CMV3 Vector

Catalog No.	Amount	Lot Number
631632	20 µg	Specified on product label.

### Description

pBI-CMV3 is a mammalian bidirectional expression vector designed to constitutively express a protein of interest and ZsGreen1, a human codon-optimized variant of the reef coral *Zoanthus* sp. green fluorescent protein. 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 ZsGreen1 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 ZsGreen1.

### Package Contents

- pBI-CMV3 Vector (500 ng/µl)

### Storage Conditions

- Store plasmid at  $-20^{\circ}\text{C}$ .
- 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](http://takarabio.com/manuals)

The following documents apply to this product:

- pBI-CMV3 Vector Information
- pBI-CMV3 Vector Sequence in GenBank Format

### Propagation in *E. coli*

- Selectable marker: plasmids confer resistance to ampicillin (100 µg/ml) in *E. coli* hosts.

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#### Takara Bio USA, Inc.

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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:

<b>Enzymes</b>	<b>Fragments</b>
BamHI	3.8 kb
BamHI & EcoRI	3.1 & 0.7 kb

- $A_{260}/A_{280}$ : 1.8–2.0
- The presence of the correct protein variant was confirmed by sequencing.

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

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### CATALOG NO.

631632

### NOTICE TO PURCHASER:

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