

PRODUCT: pCMV-LacZ Vector

CATALOG NO. 631719
AMOUNT 25 µg

LOT NUMBER
 Specified on product label.

STORAGE BUFFER
 10 mM Tris-HCl (pH 8.0)
 1 mM EDTA (pH 8.0)

STORAGE CONDITIONS

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

SHELF LIFE
 1 year from date of receipt under proper storage conditions.

SHIPPING CONDITIONS
 Dry ice (-70°C)

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.

CONCENTRATION: 500 ng/µl

PLASMID SIZE: 7.2 kb

ANTIBIOTIC RESISTANCE
 Ampicillin (100 µg/ml for propagation in *E. coli*)

PACKAGE CONTENTS
 1 tube of pCMV-LacZ Vector

PRODUCT USER MANUAL

User manuals for Clontech products are available for download at www.clontech.com/manuals. The following user manual applies to this product:

- pCMV-LacZ Vector Information Packet (PT2004-5)

FOR RESEARCH USE ONLY**QUALITY CONTROL DATA**

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Enzyme(s)	Fragment(s)
<i>Bgl</i> I	2.7, 2.1, 1.1 & 0.86 kb (Additional fragments of 200, 122 & 71 bp can not be observed in this assay.)
<i>Not</i> I	3.7 & 3.5 kb

- A_{260}/A_{280} : 1.8 – 2.0



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