

**PRODUCT: pLacZ-Basic Vector**

**CATALOG NO.** 631707  
**AMOUNT** 20 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**

pLacZ-Basic uses the *E. coli* β-galactosidase gene (*lacZ*) as a reporter gene for analysis of promoter and enhancer sequences.

**CONCENTRATION:** 500 ng/µl

**PLASMID SIZE:** 7.5 kb

**CLONING SITES**

*Xma* I, *Sma* I, *Asp*718 I, *Kpn* I, *Nhe* I, *Xho* I, *Bgl* II, *Hind* III

**ANTIBIOTIC RESISTANCE**

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

**PACKAGE CONTENTS**

1 tube of pLacZ-Basic Vector

**PRODUCT USER MANUAL**

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

- pLacZ-Basic Vector Information Packet (PT2109-5)

**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)**  
*Hae* II

**Fragment(s)**  
 1.6, 1.1, 0.9, 0.5, 0.45 and 0.44 kb (The band observed at 1.6 kb is a doublet. Additional fragments of 370, 294, 123, 100, 75 and 8 bp can not be observed in this assay.)

- $A_{260}/A_{280}$ : 1.8 – 2.0



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## pLacZ-Basic Vector

**CATALOG NO.**

631707

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This document has been reviewed and approved by the Clontech Quality Assurance Department.

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