PRODUCT: Living Colors® pAcGFP1-C2 Vector

CATALOG No. 632481

LOT NUMBER
Specified on product label.

STORAGE CONDITIONS
• Store all components at –20°C.
• Spin briefly to recover contents.
• Avoid repeated freeze/thaw cycles.

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

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

SHIPPING CONDITIONS
Blue ice (4°C) or dry ice (–70°C)

DESCRIPTION
pAcGFP1-C2 encodes a green fluorescent protein from Aequorea coerulescens. pAcGFP1-C2 is designed for studies in mammalian systems. This vector allows expression of a protein of interest as a C-terminal fusion to AcGFP1. The fusion vector can also be used as a cotransfection marker since the unmodified vector will express fluorescent protein. The fluorescent protein coding sequence in this construct has been human codon-optimized for efficient expression and enhanced brightness in mammalian cells.

CONCENTRATION: 500 ng/µl

PLASMID SIZE: 4.7 kb


ANTIBIOTIC RESISTANCE
• Kanamycin (50 µg/ml for propagation in E. coli cells)
• G418 (500 µg/ml for selection in mammalian cells)

PACKAGE CONTENTS
• 20 µg pAcGFP1-C2 Vector

OTHER
• Vector Information Packet (PT3831-5)

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA
See back of page.

APPROVED BY: [Signature]

(PA53618)
QUALITY CONTROL DATA

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

<table>
<thead>
<tr>
<th>Enzyme(s)</th>
<th>Fragment(s)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Msc I</td>
<td>2.2 &amp; 2.6 kb</td>
</tr>
<tr>
<td>Age I</td>
<td>4.7 kb</td>
</tr>
</tbody>
</table>

- The presence of the correct fluorescent protein variant was confirmed by sequencing.

- $A_{\text{260}} / A_{\text{280}}$: 1.8–2.0

* Note: Fragment sizes are estimates; the apparent sum of all fragment sizes for a given digest may not equal the actual size of the plasmid due to number rounding.

Notice to Purchaser

Clontech products are to be used for research purposes only. They may not to be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. Clontech 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 written approval of Clontech Laboratories, Inc.

Not-For-Profit Entities: Orders may be placed in the normal manner by contacting your local representative or Clontech Customer Service at 650.919.7300. At its discretion, Clontech grants Not-For-Profit Entities a non-exclusive, personal, limited license to use this product for non-commercial life science research use only. Such license specifically excludes the right to sell or otherwise transfer this product, its components or derivatives thereof to third parties. No modifications to the protein coding sequence may be made without express written permission from Clontech. Any other use of this product requires a license from Clontech. For license information, please contact a licensing representative by phone at 650.919.7320 or by e-mail at licensing@clontech.com.

For-Profit Entities wishing to use this product are required to obtain a license from Clontech. For license information, please contact a licensing representative by phone at 650.919.7320 or by e-mail at licensing@clontech.com.

This product is the subject of U.S. patents.

Clontech, the Clontech logo and all other trademarks are the property of Clontech Laboratories, Inc. Clontech is a Takara Bio Company. ©2006