

In the interest of conserving resources, we are no longer shipping manuals with products. Please visit www.clontech.com/manuals to obtain an electronic version.

PRODUCT: Living Colors® pAcGFP1-Endo Vector

CATALOG No. 632490

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-Endo encodes a fusion protein consisting of the *Aequorea coerulea* green fluorescent protein, c-Myc, and RhoB protein. The RhoB GTPase localizes the fusion protein to vesicles involved in endocytosis and allows monitoring of intracellular membrane traffic in living and fixed cells using fluorescence microscopy. The c-Myc epitope allows detection of the fusion protein using c-Myc antibodies. AcGFP1 is a variant of the *Aequorea coerulea* green fluorescent protein (AcGFP) that has been optimized for brighter fluorescence and higher expression in mammalian cells.

CONCENTRATION: 500 ng/ μl

PLASMID SIZE: 5.4 kb

ANTIBIOTIC RESISTANCE

- Kanamycin (50 $\mu\text{g}/\text{ml}$ for propagation in *E. coli* cells)
- G418 (500 $\mu\text{g}/\text{ml}$ for selection in mammalian cells)

PACKAGE CONTENTS

- 20 μg pAcGFP1-Endo Vector

OTHER

- Vector Information Packet (PT3838-5)

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

See back of page.



Clontech

United States/Canada
800.662.2566

Asia Pacific
+1.650.919.7300

Europe
+33.(0)1.3904.6880

Japan
+81.(0)77.543.6116

Clontech Laboratories, Inc.
A Takara Bio Company
1290 Terra Bella Ave.
Mountain View, CA 94043
Technical Support (US)
E-mail: tech@clontech.com
www.clontech.com

APPROVED BY: _____

(PA55693)

QUALITY CONTROL DATA

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

Enzyme(s)	Fragment(s)*
<i>Age</i> I	5.4 kb
<i>Bsr</i> G I	0.3 & 5.1 kb (the 0.3 kb band may not always be visible)

- The presence of the correct fluorescent protein variant was confirmed by sequencing.
- Plasmid purity was analyzed by OD A_{260}/A_{280} measurement and found to be ≥ 1.8

* **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 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