

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: pAcGFP1-F Hyg Vector**CATALOG No.** 632510**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 CONDITIONSBlue ice (4°C) or dry ice (-70°C)**FOR RESEARCH USE ONLY****QUALITY CONTROL DATA**

See back of page.

DESCRIPTION

pAcGFP1-F encodes a fusion protein consisting of the *Aequorea coerulea* green fluorescent protein and the farnesylation signal of c-Ha-ras. AcGFP1 is a variant of the *Aequorea coerulea* green fluorescent protein (AcGFP). The AcGFP1 coding sequence in this construct has been optimized for efficient expression and enhanced brightness in mammalian cells. pAcGFP1-F Hyg can be used for labeling the inner leaflet of the plasma membrane. The hygromycin resistance cassette allows you to create double-stable cell lines if this vector is used in conjunction with any other Living Colors® vector that contains a neomycin resistance cassette.

CONCENTRATION: 500 ng/ μl **PLASMID SIZE:** 5.9 kb**ANTIBIOTIC RESISTANCE**

- Ampicillin (100 $\mu\text{g}/\text{ml}$ for propagation in *E. coli* cells)
- Hygromycin B (200 $\mu\text{g}/\text{ml}$ for selection in mammalian cells)

PACKAGE CONTENTS

- 20 μg pAcGFP1-F Hyg Vector
- Vector Information Packet (PT3889-5)

**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: _____

(PA631568)

QUALITY CONTROL DATA

- Digestion with the indicated restriction enzyme produced a fragment of the indicated size on an agarose/EtBr gel:

Enzyme	Fragment
<i>Asc</i> I	5.9 kb

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

Notice to Purchaser

This product is intended to be used for research purposes only. It is not to be used for drug or diagnostic purposes nor is it intended for human use. Clontech products may not be resold, modified for resale, or used to manufacture commercial products without written approval of Clontech Laboratories, Inc.

This product contains a Living Colors® fluorescent protein. This product is the subject of pending U.S. and foreign patents.

Not-For-Profit entities may place orders in the normal manner by contacting your local representative or Clontech Customer Service at 800.662.2566, extension 1. Clontech grants not-for-profit research entities a worldwide, non-exclusive, royalty-free, 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 or its components to third parties. Any other use of this product will require a license from Clontech. Please contact the licensing hot line by phone at 800.662.2566, or by e-mail at licensing@clontech.com.

For-Profit entities that wish to use this product in non-commercial or commercial applications are required to obtain a license from Clontech. For license information, please contact the licensing hot line by phone at 800.662.2566, or by e-mail at licensing@clontech.com.

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