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PRODUCT: pAcGFP1-F Vector**CATALOG No.** 632511**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 coerulescens* green fluorescent protein and the farnesylation signal of c-Ha-ras. AcGFP1 is a variant of the *Aequorea coerulescens* 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 can be used for labeling the inner leaflet of the plasma membrane.

CONCENTRATION: 500 ng/ μl **PLASMID SIZE:** 4.8 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-F Vector
- Vector Information Packet (PT3887-5)

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(PA631569)

QUALITY CONTROL DATA

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

Enzyme	Fragment
<i>Eag</i> I	4.8 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.

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