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PRODUCT: pAcGFP1-Mem Hyg Vector**CATALOG No.** 632509**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)**DESCRIPTION**

pAcGFP1-Mem Hyg encodes a fusion protein consisting of the *Aequorea coerulea* green fluorescent protein and the N-terminal membrane-targeting signal of neuromodulin (also called GAP-43). 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. pAcGFP1-Mem Hyg can be used for labeling 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:** 5.8 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-Mem Hyg Vector
- Vector Information Packet (PT3888-5)

FOR RESEARCH USE ONLY**QUALITY CONTROL DATA**

See back of page.

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(PA631567)

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	5.8 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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