PRODUCT: AcGFP1 Vector Set

CATALOG NO.
632426

LOT NUMBER
Specified on product label.

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

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

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

SHIPPING CONDITIONS
- Part 1: Blue ice (4°C)
or dry ice (–70°C)
- Part 2: Room temperature

CONCENTRATION: 500 ng/µl each

PACKAGE CONTENTS
- 20 µg pAcGFP1 Vector
- 20 µg pAcGFP1-C1 Vector
- 20 µg pAcGFP1-N1 Vector
- pAcGFP1 Vector Information (PT3715-5)
pAcGFP1-C1 Vector Information (PT3717-5)
pAcGFP1-N1 Vector Information (PT3716-5)

OTHER
- pAcGFP1 Vector Information (PT3715-5)
pAcGFP1-C1 Vector Information (PT3717-5)
pAcGFP1-N1 Vector Information (PT3716-5)

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

Please see back of page.
CLONING SITES

- **pAcGFP1 Vector**
- **pAcGFP1-C1 Vector**
  - Acc I, Apa I, Asp718 I, BamHI, Bgl II, BspE I, EcoRI, Hind III, Kpn I, Pst I, Sac I, Sac II, Sal I, Sma I, Xba I, Xho I, Xma I
- **pAcGFP1-N1 Vector**

VECTOR CHARACTERISTICS AND QUALITY CONTROL DATA

- The identity of each plasmid was verified by digestion with the indicated restriction enzymes (Table I). Fragments were observed on a 0.8% agarose/EtBr gel.
- The presence of the correct fluorescent protein variant was confirmed by sequencing.
- The purity of each plasmid was determined by the $A_{260}/A_{280}$. In all cases $A_{260}/A_{280}$ was in a range of 1.8 - 2.0.

### TABLE I. *Aequorea Coerulescens* Fluorescent Protein Expression Vectors

<table>
<thead>
<tr>
<th>Vector</th>
<th>Selectable Marker</th>
<th>Plasmid Size</th>
<th>Enzyme(s)</th>
<th>Fragment(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>pAcGFP1</td>
<td>Amp</td>
<td>3.4 kb</td>
<td>Pvu II</td>
<td>0.8 &amp; 2.6 kb</td>
</tr>
<tr>
<td>pAcGFP1-C1</td>
<td>Kan</td>
<td>4.7 kb</td>
<td>Age I</td>
<td>3.4 kb</td>
</tr>
<tr>
<td>pAcGFP1-N1</td>
<td>Kan</td>
<td>4.7 kb</td>
<td>Pvu II</td>
<td>0.6, 1.1, &amp; 3.0 kb</td>
</tr>
<tr>
<td></td>
<td>Neo</td>
<td></td>
<td>Age I</td>
<td>4.7 kb</td>
</tr>
</tbody>
</table>

**Note:**

- $Amp$ = confers resistance to ampicillin (50 µg/ml)
- $Kan$ = confers resistance to kanamycin (50 µg/ml)
- $Neo$ = confers resistance to neomycin; Stable transfectants can be selected with G418 (0.5 - 1.3 mg/ml, depending on the cell line).
- $n/a$ = not applicable (prokaryotic expression vector)

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