PRODUCT: pAcGFP1-Actin

CATALOG NO. AMOUNT
632453 20 µg

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
Blue ice (4°C) or
Dry ice (−70°C)

FOR RESEARCH USE ONLY

DESCRIPTION
pAcGFP1-Actin encodes a fusion protein consisting of Aequorea coerulescens green fluorescent protein (AcGFP1) fused at its C-terminus to the human cytoplasmic β-actin. The AcGFP1-Actin fusion protein incorporates into growing actin filaments, allowing visualization of the actin cytoskeleton in living or fixed cells.

CONCENTRATION: 500 ng/µl

PLASMID SIZE: 5.8 kb

ANTIBIOTIC RESISTANCE
Kanamycin (50 µg/ml) for propagation in E. coli DH5α

PACKAGE CONTENTS
1 tube of pAcGFP1-Actin

OTHER
Vector Information Packet (PT3764-5)

QUALITY CONTROL DATA
• Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

<table>
<thead>
<tr>
<th>Enzyme(s)</th>
<th>Fragment(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age I</td>
<td>5.8 kb</td>
</tr>
<tr>
<td>Msc I</td>
<td>2.6, 1.9 &amp; 1.3 kb</td>
</tr>
</tbody>
</table>

• A260/A280: 1.8 – 2.0
• The identity of this vector was confirmed by sequencing.

APPROVED BY: _______________________

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