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**PRODUCT: pAcGFP1-Nuc Vector**

**CATALOG NO.**  
632431

**AMOUNT**  
20 µg

**DESCRIPTION**

pAcGFP1-Nuc encodes a humanized green fluorescent protein (GFP) derived from *Aequorea coerulescens*. The fluorescent protein is fused at its C-terminus to three copies of the nuclear localization signal (NLS) of the SV40 T-antigen. This vector is designed a marker for visualizing the nucleus in living or fixed cells by fluorescence microscopy.

**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)

**CONCENTRATION:** 500 ng/µl

**PLASMID SIZE:** 4.8 kb

**ANTIBIOTIC RESISTANCE**

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

**PACKAGE CONTENTS**

1 tube of pAcGFP1-Nuc Vector

**OTHER**

Vector Information Packet (PT3729-5)

**FOR RESEARCH USE ONLY**

**QUALITY CONTROL DATA**

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Enzyme(s)	Fragment(s)
<i>Age</i> I	4.8 kb
<i>Msc</i> I	2.6 & 2.2 kb

- $A_{260}/A_{280}$ : 1.8 – 2.0

APPROVED BY: \_\_\_\_\_



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This product is the subject of U.S. patents.



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