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**PRODUCT: pGFP Vector**

**CATALOG NO.** 632370  
**AMOUNT** 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)

**DESCRIPTION**

Green fluorescent protein (GFP) is a naturally fluorescent protein from *Aequorea victoria* that can be used as an *in vivo* reporter of gene expression and protein localization. pGFP is a convenient source of the GFP cDNA. The GFP coding sequence is flanked by separate MCSs at the 5' and 3' ends, so the GFP gene can be easily excised. Alternatively, the GFP coding sequences can be amplified by PCR.

**CONCENTRATION:** 500 ng/µl

**PLASMID SIZE:** 3.3 kb

**CLONING SITES**

*Hind* III, *Sph* I, *Pst* I, *Sal* I, *Xba* I, *Bam*HI, *Xma* I, *Sma* I, *Asp*718 I, *Kpn* I, *Age* I, *Bsm* I, *Eco*R I, *Stu* I, *Spe* I, *Eag* I, *Bsi*WI, *Bsp*120 I, *Apa* I

**ANTIBIOTIC RESISTANCE**

Ampicillin (100 µg/ml for propagation in *E. coli*)

**PACKAGE CONTENTS**

1 tube of pGFP Vector

**OTHER**

- Vector Information Packet (PT2039-5)

**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)**  
*Dra* I

**Fragment(s)**

0.7, 1.1, & 1.6 kb (An additional fragment of 19 bp is too small to detect by this assay.)

- The presence of the correct GFP variant was verified by sequencing.
- $A_{260}/A_{280}$ : 1.8 – 2.0

APPROVED BY:




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## pGFP Vector

### CATALOG NO.

632370

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