

## pAcGFP1 Vector

### Catalog Nos.

632468, 632426

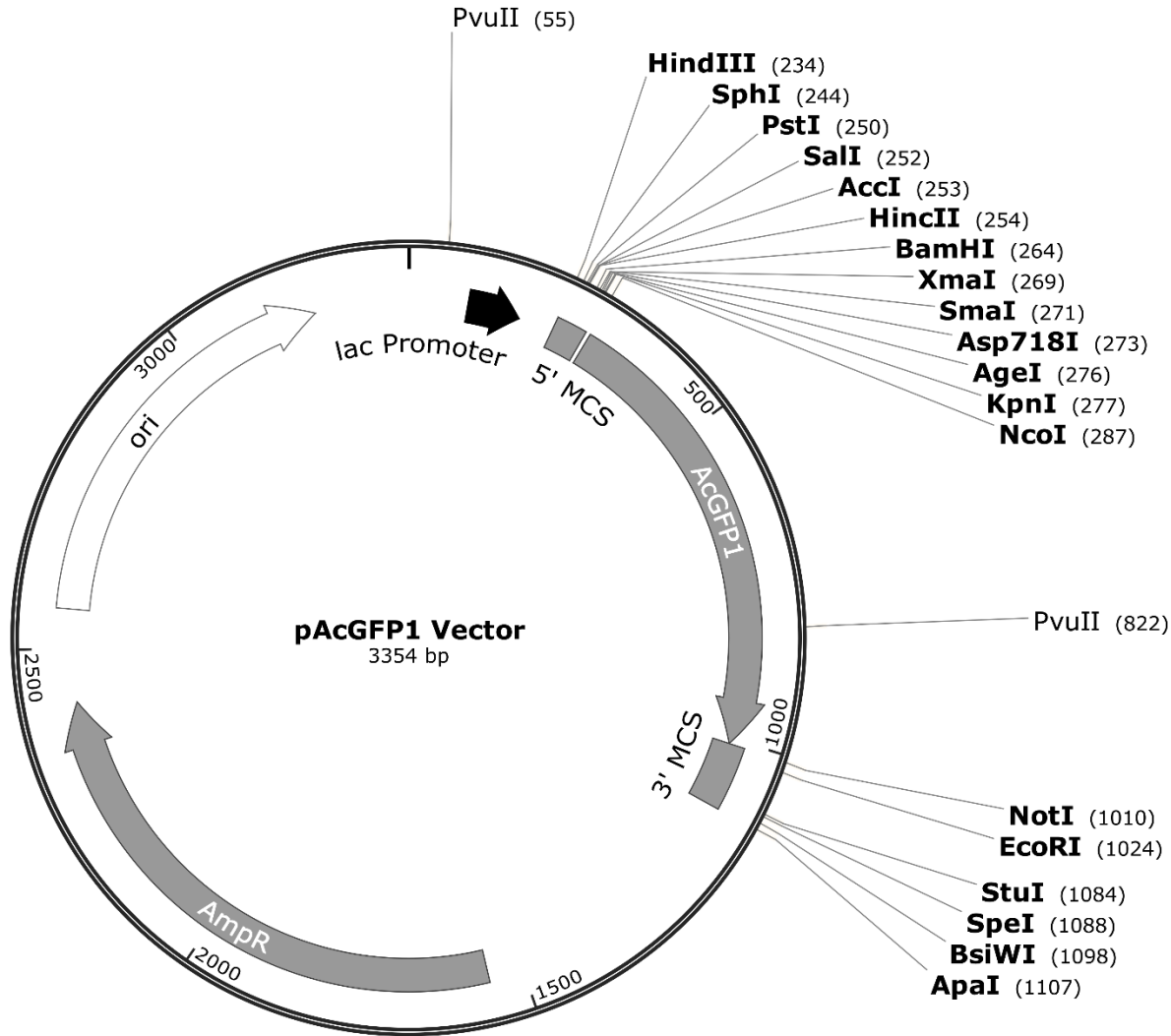


Figure 1. pAcGFP1 Vector map.

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# Vector Map

Cat. Nos. 632468, 632426

pAcGFP1 Vector

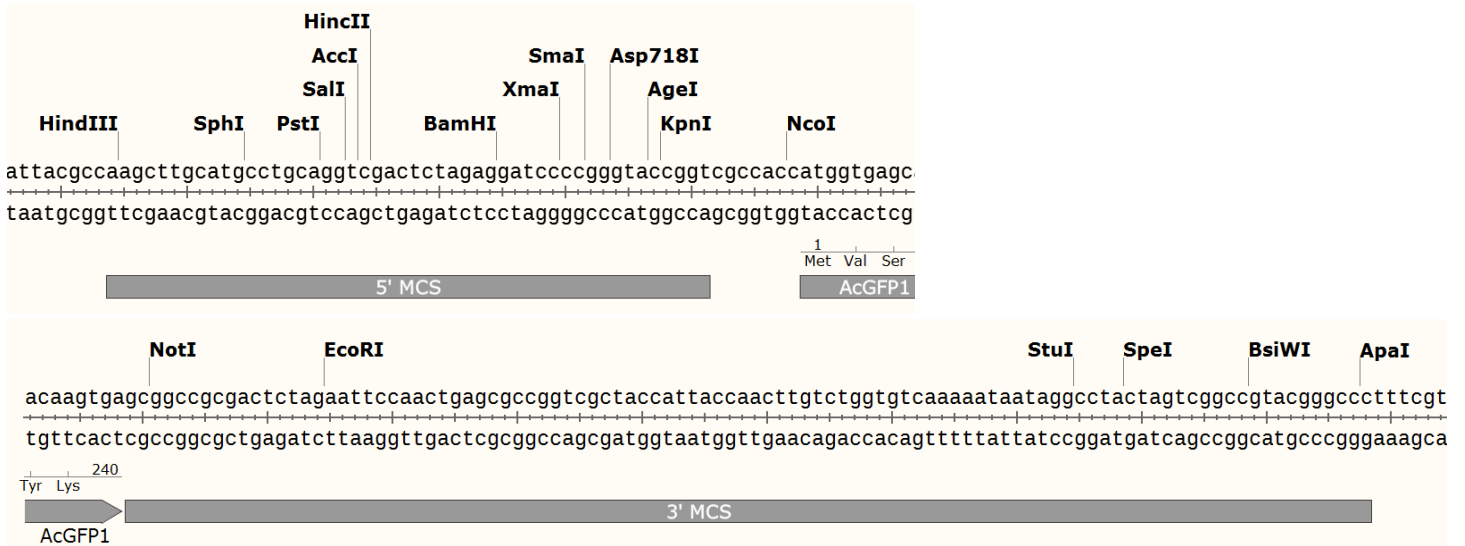


Figure 2. pAcGFP1 Vector 5' and 3' multiple cloning sites.

## Location of Features: pAcGFP1 Vector

- *lac* promoter: 95–178
  - CAP binding site: 111–124
  - 35 region: 143–148; –10 region: 167–172
  - Transcription start point: 179
  - lac* operator: 179–199
- *lacZ*-ECFP fusion protein expressed in *E. coli*
  - Ribosome binding site: 206–209
  - Start codon (ATG): 217–219; stop codon: 1006–1008
- 5' multiple cloning site: 234–281
- *Aequorea coerulea* green fluorescent protein (AcGFP1) gene
  - Kozak consensus translation initiation site: 282–292
  - Start codon (ATG): 289–291; stop codon: 1006–1008
  - Insertion of Val at position 2: 292–294
  - Last amino acid: 1003–1005
- 3' multiple cloning site: 1009–1108
- Amp<sup>R</sup> (ampicillin resistance gene):
  - Promoter: –35 region: 1484–1450, –10 region: 1507–1512
  - Ribosome binding site: 1542–1546
  - β-lactamase coding sequences:
    - Start codon (ATG): 1554–1556; stop codon: 2412–2414
    - β-lactamase signal peptide: 1554–1622
    - β-lactamase mature protein: 1623–2411
- ori (high-copy-number ColE1/pMB1/pBR322/pUC origin of replication): 2562–3205

**NOTE:** The attached sequence file has been compiled from information in the sequence databases, published literature, and other sources, together with partial sequences obtained by Clontech Laboratories, Inc. This vector has not been completely sequenced.

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