

## pEF1 $\alpha$ -AcGFP1-C1

**Catalog No(s).**  
631974

**Amount**  
20  $\mu$ l pEF1 $\alpha$ -AcGFP1-C1 vector (500 ng/ $\mu$ l)

**Lot Number**  
Specified on product label.

### pEF1 $\alpha$ -AcGFP1-C1 Vector Information

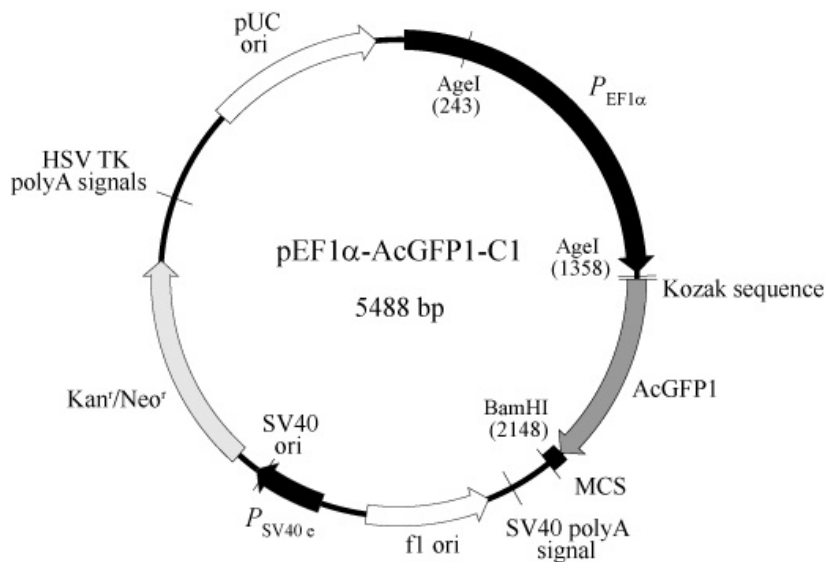


Figure 1. pEF1 $\alpha$ -AcGFP1-C1 vector map.

```

2078  End of AcGFP1  BspEI          HindIII  EcoRI
      CTG TAC AAG TCC GGA CTC AGA TCT CGA GCT CAA GCT TCG AAT TCT GCA

      AccI  Acc65I          BamHI
      SalI  KpnI          XmaI
2126  GTC GAC GGT ACC GCG GGC CCG GGA TCC ACC GGA TCT AGA TAA CTG AT
      SmaI          Stop  Stop  Stop
    
```

Figure 2. pEF1 $\alpha$ -AcGFP1-C1 multiple cloning site.

## Location of Features

- $P_{EF1\alpha}$  (human elongation factor 1 alpha promoter): 12–1346
- Kozak consensus sequence: 1363–1373
- AcGFP1(human-codon-optimized): 1370–2086
- MCS (multiple cloning site): 2087–2152
- SV40 polyA signal: 2307–2341
- fl origin of replication: 2404–2859 (complementary)
- $P_{SV40e}$  (SV40 early promoter and enhancer sequences): 3033–3301
- SV40 origin of replication: 3200–3338
- Kan<sup>r</sup>/Neo<sup>r</sup> (kanamycin/neomycin resistance gene): 3384–4178
- HSV TK polyA signals: 4414–4432
- pUC origin of replication: 4763–5406

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