

## pLVX-EF1 $\alpha$ -AcGFP1-N1

**Catalog No(s).**  
631983

**Amount**  
20  $\mu$ l pLVX-EF1 $\alpha$ -AcGFP1-N1 vector (500 ng/ $\mu$ l)

**Lot Number**  
Specified on product label.

### pLVX-EF1 $\alpha$ -AcGFP1-N1 Vector Information

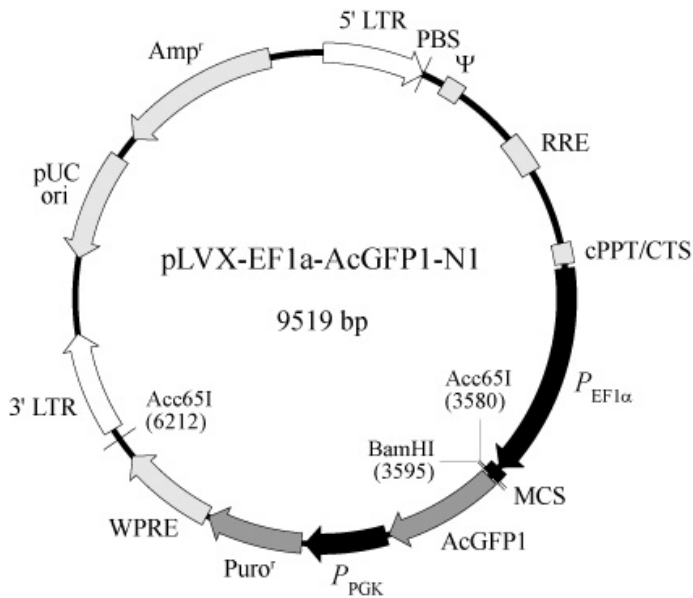


Figure 1. pLVX-EF1 $\alpha$ -AcGFP1-N1 vector map.

```

3526   AfeI                               BstBI
      CTA GCG CTA CCG GAC TCA GAT CTC GAG CTC AAG CTT CGA ATT CTG

                               BamHI
                               XmaI
                               SmaI
3571   CAG TCG ACG GTA CCG CGG GCC CGG GAT CCA CCG GTC ATG GTG AGC
                                     Start of AcGFP1 →
    
```

Figure 2. pLVX-EF1 $\alpha$ -AcGFP1-N1 multiple cloning site.

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## Location of Features

- 5' LTR (5' long terminal repeat): 1–635
- PBS (primer binding site): 636–653
- $\Psi$  (packaging signal): 685–822
- RRE (Rev-response element): 1303–1536
- cPPT/CTS (central polypurine tract/central termination sequence): 2028–2151
- $P_{EF1\alpha}$  (human elongation factor 1 alpha promoter): 2186–3519
- MCS (multiple cloning site): 3528–3600
- AcGFP1 (human-codon-optimized): 3607–4326
- $P_{PGK}$  (phosphoglycerate kinase promoter): 4345–4853
- Puro<sup>r</sup> (puromycin resistance gene): 4874–5473
- WPRE (woodchuck hepatitis virus posttranscriptional regulatory element): 5487–6078
- 3' LTR (3' long terminal repeat): 6281–6917
- pUC origin of replication: 7387–8060 (complementary)
- Amp<sup>r</sup> (ampicillin resistance gene;  $\beta$ -lactamase): 8205–9201 (complementary)

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