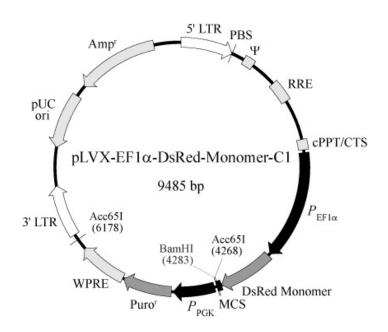
# Vector Map

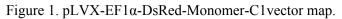


## pLVX-EF1α-DsRed-Monomer-C1

Catalog No(s).AmountLot Number63198920 μl pLVX-EF1α-DsRed-Monomer-C1 vector (500 ng/μl)Specified on product label.

### pLVX-EF1α-DsRed-Monomer-C1 Vector Information





 End of DsRed-Monomer
 EcoRI

 4213
 GGC TCC CAG
 TCC GGA CTC AGA TCT CGA GCT CAA GCT TCG AAT TCT GCA

 4213
 GGC TCC CAG
 TCC GGA CTC AGA TCT CGA GCT CAA GCT TCG AAT TCT GCA

 4213
 Main I
 Main I

 4214
 GTC GAC GGT ACC GCG GGC CCG GGA TCC ACC GGA TCT AGA TAA CTG ATC

Figure 2. pLVX-EF1a-DsRed-Monomer-C1 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
- $P_{\text{EF1}\alpha}$  (human elongation factor 1 alpha promoter): 2185–3519
- DsRed-Monomer (human-codon-optimized): 3547–4221
- MCS (multiple cloning site): 4248–4287
- $P_{PGK}$  (phosphoglycerate kinase promoter): 4311–4819
- Puro<sup>r</sup> (puromycin resistance gene): 4840–5439
- WPRE (woodchuck hepatitis virus posttranscriptional regulatory element): 5453-6044
- 3' LTR (3' long terminal repeat): 6247–6883
- pUC origin of replication: 7353–8026 (complementary)
- Amp<sup>r</sup> (ampicillin resistance gene; β-lactamase): 8171–9167(complementary)

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