Vector Map

pLVX-EF1α-DsRed-Monomer-C1

Catalog No(s).	Amount	Lot Number
631989	20 µl pLVX-EF1α-DsRed-Monomer-C1 vector (500 ng/µl)	Specified on product label.

pLVX-EF1α-DsRed-Monomer-C1 Vector Information

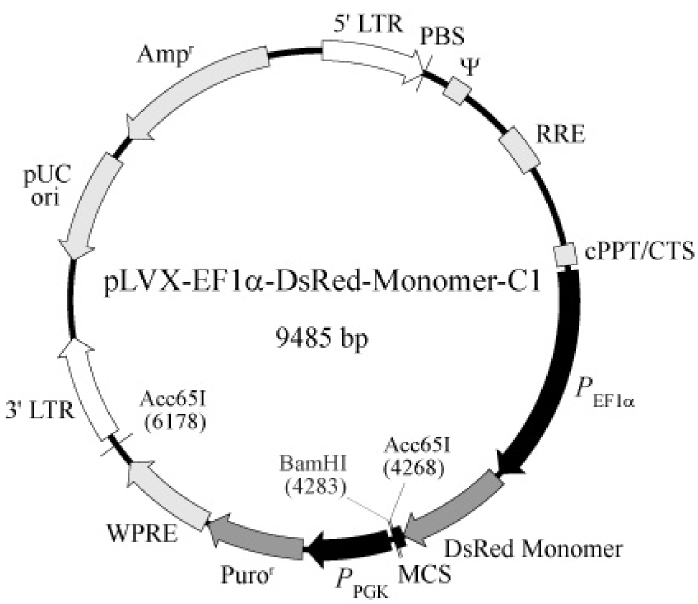

Figure 1. pLVX-EF1α-DsRed-Monomer-C1vector map.

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                 End of                                                                  EcoRI
              DsRed-Monomer                                                       BstBI
4213    GGC  TCC  CAG  TCC  GGA  CTC  AGA  TCT  CGA  GCT  CAA  GCT  TCG  AAT  TCT  GCA

                                                      BamHI
                                          XmaI
                                          SmaI                           Stop   Stop   Stop
4261    GTC  GAC  GGT  ACC  GCG  GGC  CCG  GGA  TCC  ACC  GGA  TCT  AGA  TAA  CTG  ATC
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Figure 2. pLVX-EF1α-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
- Ψ (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): 2185–3519
- DsRed-Monomer (human-codon-optimized): 3547–4221
- MCS (multiple cloning site): 4248–4287
- P_{PGK} (phosphoglycerate kinase promoter): 4311–4819
- Puro^r (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^r (ampicillin resistance gene; β-lactamase): 8171–9167(complementary)