

pLVXS-EF1a-Cas9-PGK-Puro Vector

Catalog No.

(Not sold separately)

Sold as a part of 632646

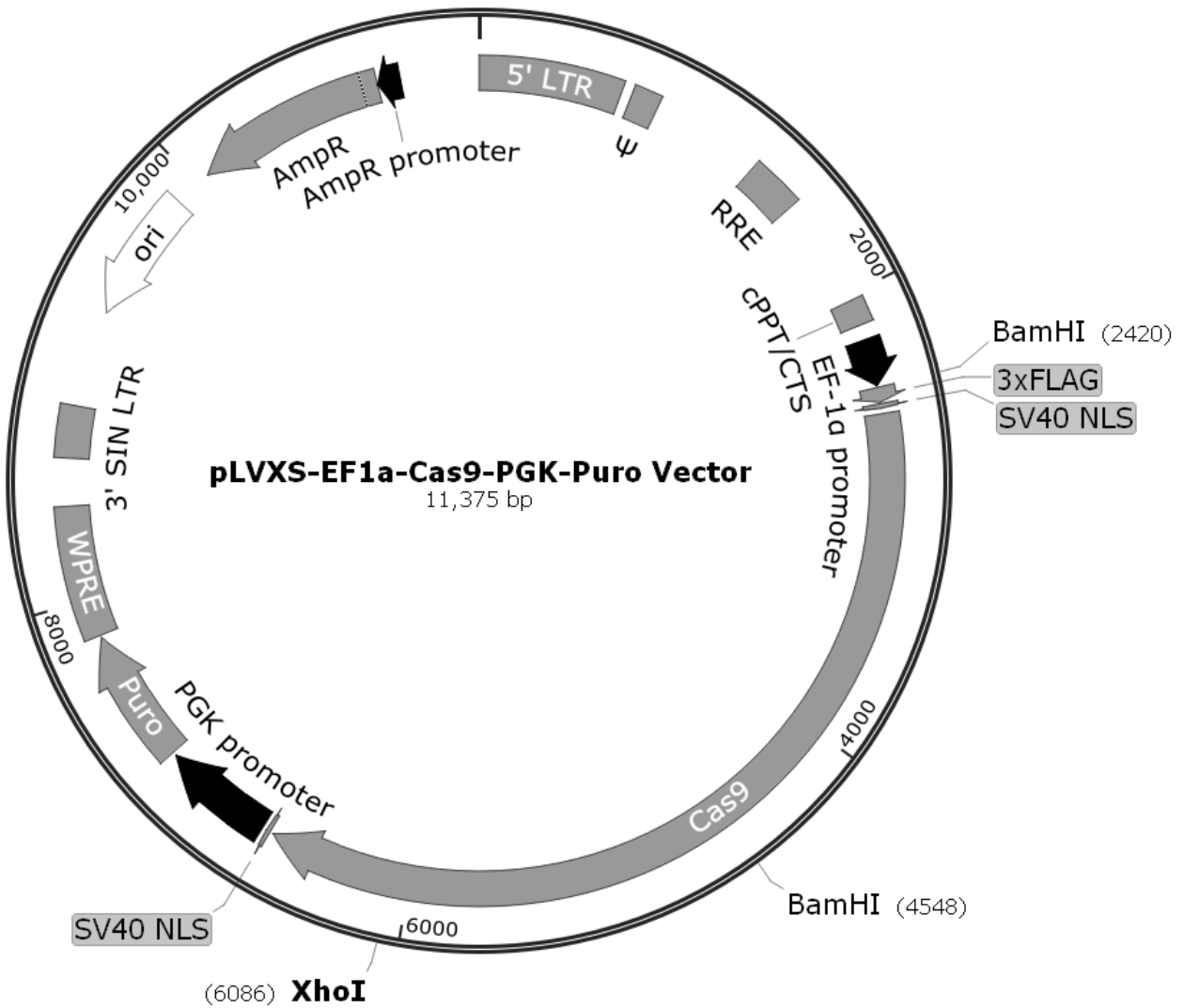


Figure 1. Map of pLVX-EF1a-Cas9-PGK-Puro Vector.

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Location of Features

- 5' LTR (5' long terminal repeat): 1–635
 - Ψ (packaging signal): 681–806
 - RRE (Rev-response element): 1,303–1,536
 - cPPT (central polypurine tract and central termination sequence of HIV-1): 2,028–2,143
 - P_{EF1a} (EF1-alpha promoter): 2,209–2,420
 - 3xFLAG (three tandem FLAG epitope tags, followed by an enterokinase cleavage site): 2,429–2,494
 - SV40 NLS (nuclear localization signal of SV40 large T antigen): 2,501–2,521
 - Cas9 (Cas9 (Csn1) endonuclease from the *Streptococcus pyogenes* Type II CRISPR/Cas system): 2,546–6,646
 - SV40 NLS (nuclear localization signal of SV40 large T antigen): 6,659–6,679
 - P_{PGK} (phosphoglycerate kinase promoter): 6,699–7,198
 - Puro^R (Puromycin resistance gene): 7,219–7,818
 - WPRE (woodchuck hepatitis virus posttranscriptional regulatory element): 7,832–8,420
 - 3' SIN LTR (3' long terminal repeat): 8,632–8,865
 - ori (high-copy-number ColE1/pMB1/pBR322/pUC origin of replication): 9,302–9,890 (complementary)
 - Amp^R (ampicillin resistance gene): 10,061–10,921 (complementary)
 - P_{AMP}^R (promoter for ampicillin resistance): 10,922–11,026 (complementary)
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This document has been reviewed and approved by the Quality Department.