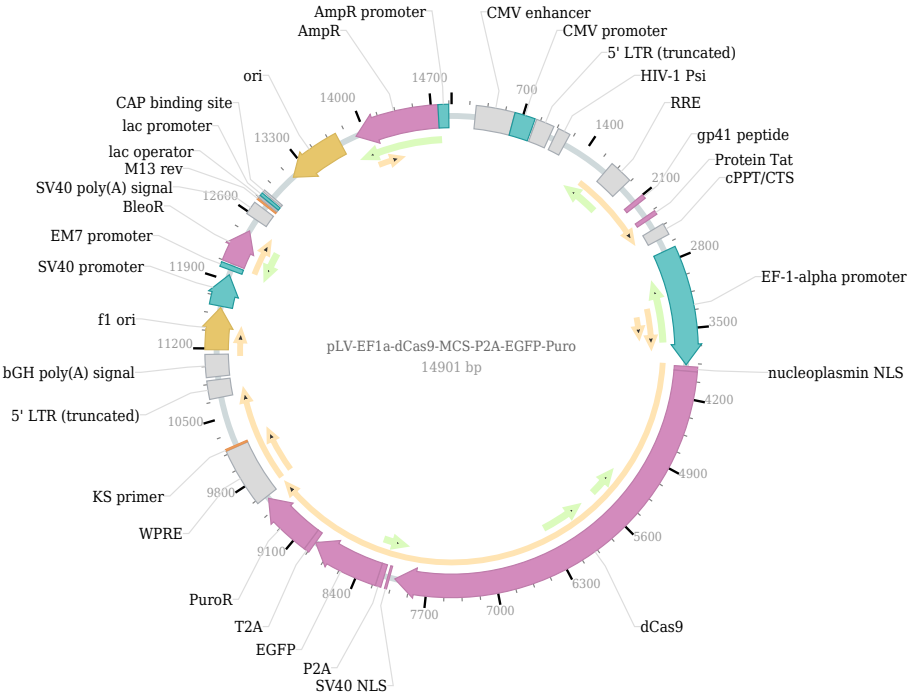
pLV-EF1a-dCas9-MCS-P2A-EGFP-Puro

Vector ID	V015101
Antibiotic Resistance	Ampicillin
Length	14901 bp
Vector Type	Genome editing
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	EF-1α
5' Primer	pEGFP-N-3'
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pLV-EF1a-dCas9-MCS-P2A-EGFP-Puro is a lentiviral CRISPR tool expressing nuclease-dead Cas9 (dCas9) from the EF1a promoter. The MCS downstream of dCas9 accepts effector domains (KRAB, VP64 and similar) to build CRISPRi/CRISPRa systems, while P2A-linked EGFP and puromycin resistance mark and select transduced cells. AmpR; Stbl3 propagation.

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.