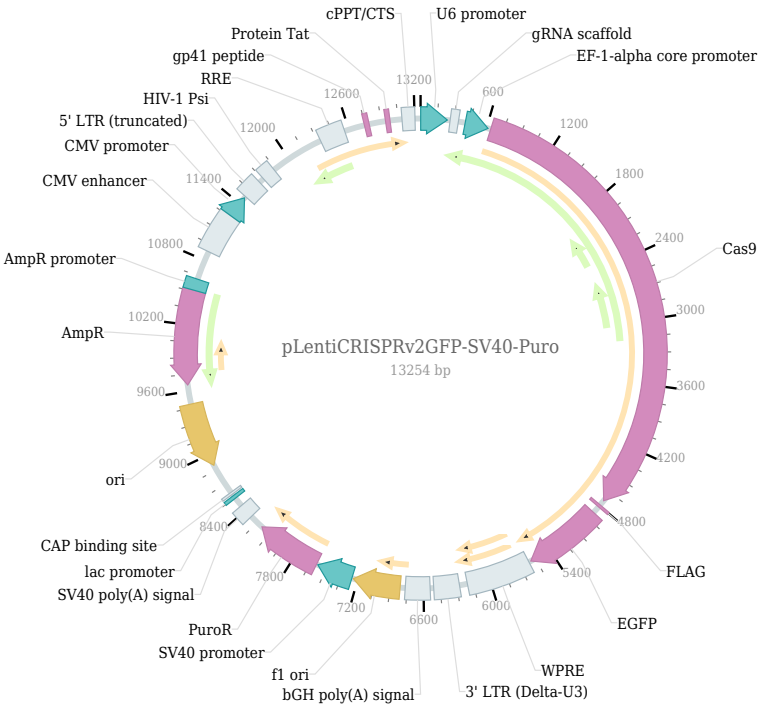
pLentiCRISPRv2GFP-SV40-Puro

Vector ID	V013998
Antibiotic Resistance	Ampicillin
Length	13254 bp
Vector Type	Gene knockout
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Promoter	U6
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pLentiCRISPRv2GFP-SV40-Puro is a lentiviral CRISPR/Cas9 vector derived from lentiCRISPRv2, co-expressing SpCas9, U6 promoter-driven sgRNA, EGFP, and SV40 promoter-driven puromycin resistance in a single backbone. Enables one-vector CRISPR knockout screens and stable edited cell lines with fluorescent tracking and antibiotic selection (Sanjana et al. 2014).

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 ℃.