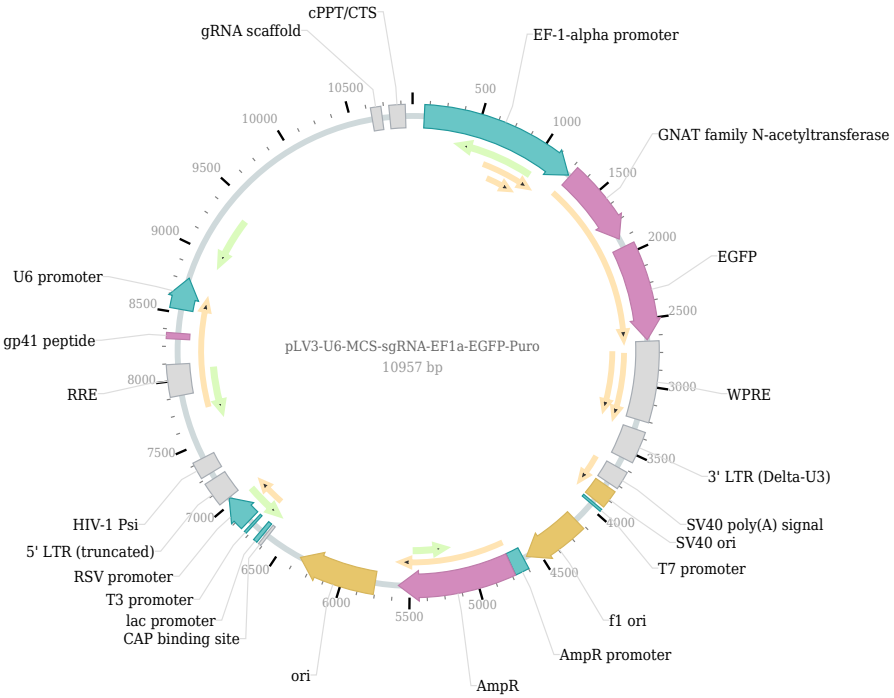
pLV3-U6-MCS-sgRNA-EF1a-EGFP-Puro

Vector ID	V017894
Antibiotic Resistance	Ampicillin
Length	10957 bp
Vector Type	Gene-editing vector
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	U6
5' Primer	U6-F
Growth Strain(s)	Top10
Growth Temperature	37℃
Comment	pLV3-U6-MCS-sgRNA-EF1a-EGFP-Puro is a pLV3 lentiviral sgRNA vector in which the U6 promoter transcribes guide RNAs cloned into the MCS, while EF1a-driven EGFP and puromycin resistance track and select transduced cells for CRISPR knockout, interference or base editing with a separately supplied Cas9. 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 ℃.