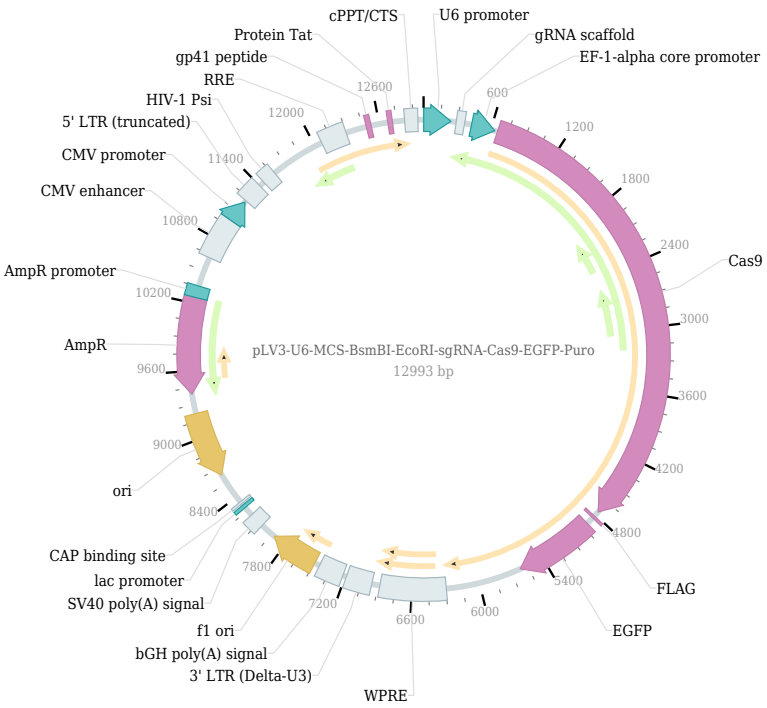
pLV3-U6-MCS-BsmBI-EcoRI-sgRNA-Cas9-EGFP-Puro

Vector ID	V015005
Antibiotic Resistance	Ampicillin
Length	12993 bp
Vector Type	Genome editing
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	U6
5' Primer	U6-F
Growth Strain(s)	stbl3
Growth Temperature	37℃
Comment	The pLV3-U6-MCS-BsmBI-EcoRI-sgRNA-Cas9-EGFP-Puro is a lentiviral plasmid for CRISPR/Cas9 gene editing. It features a U6 promoter-driven sgRNA scaffold (with BsmBI/EcoRI cloning sites), a Cas9 gene, an EGFP reporter, and a Puromycin resistance marker for selection in mammalian cells.

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 ℃.