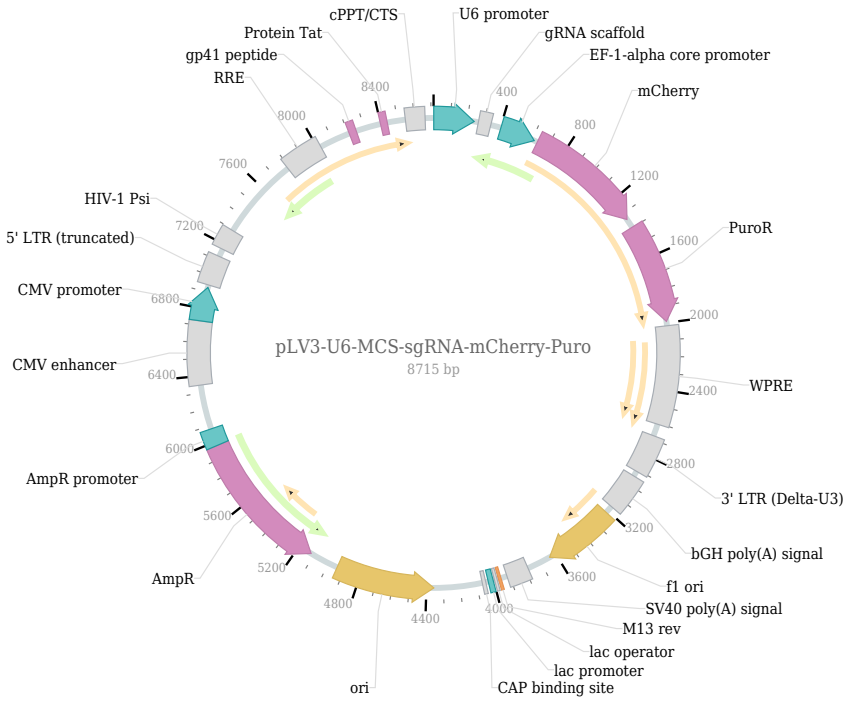
pLV3-U6-MCS-sgRNA-mCherry-Puro

Vector ID	V014756
Antibiotic Resistance	Ampicillin
Length	8715 bp
Vector Type	Genome editing
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	U6
5' Primer	U6-F：GAGGGCCTATTTCCCATGA
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pLV3-U6-MCS-sgRNA-mCherry-Puro is a pLV3 lentiviral sgRNA expression vector (Cas9 supplied separately) in which the U6 promoter transcribes guide RNAs from the MCS, with mCherry fluorescence and puromycin resistance for tracking and selecting transduced cells in CRISPR knockout and pooled screening experiments. AmpR, Stbl3.

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 ℃.