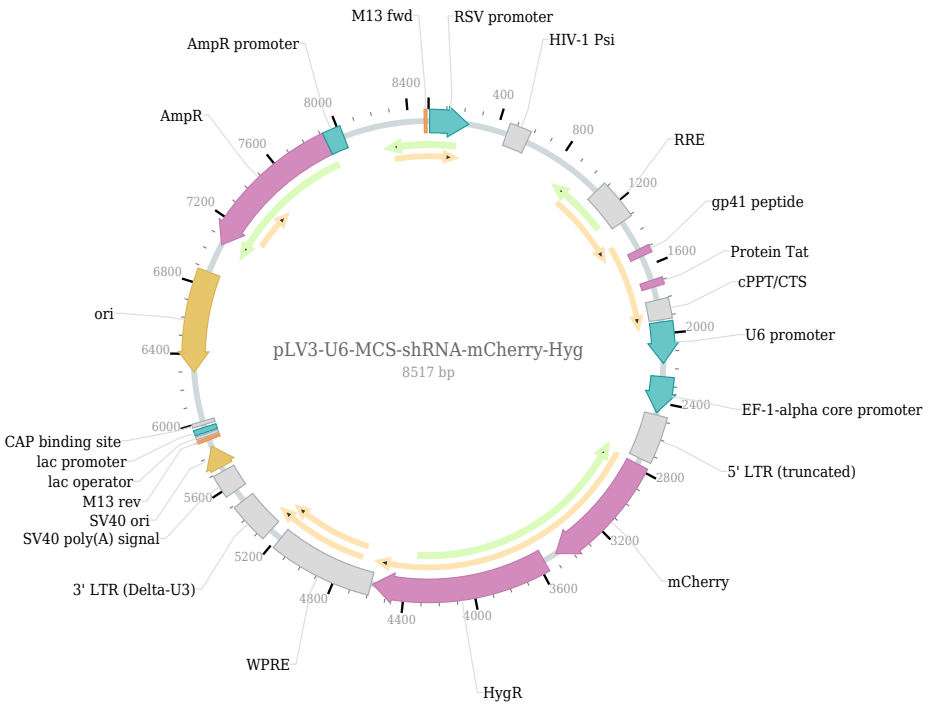
pLV3-U6-MCS-shRNA-mCherry-Hyg

Vector ID	V014644
Antibiotic Resistance	Ampicillin
Length	8517 bp
Vector Type	RNA interference
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Hyg
Promoter	U6
5' Primer	U6-F：GAGGGCCTATTTCCCATGA
Growth Strain(s)	stbl3
Growth Temperature	37℃
Comment	pLV3-U6-MCS-shRNA-mCherry-Hyg is a pLV3 lentiviral RNAi vector in which the U6 promoter transcribes shRNAs cloned into the MCS for stable knockdown, with mCherry fluorescence monitoring and hygromycin resistance for selection, useful for dual-knockdown experiments alongside puromycin-marked constructs. 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 ℃.