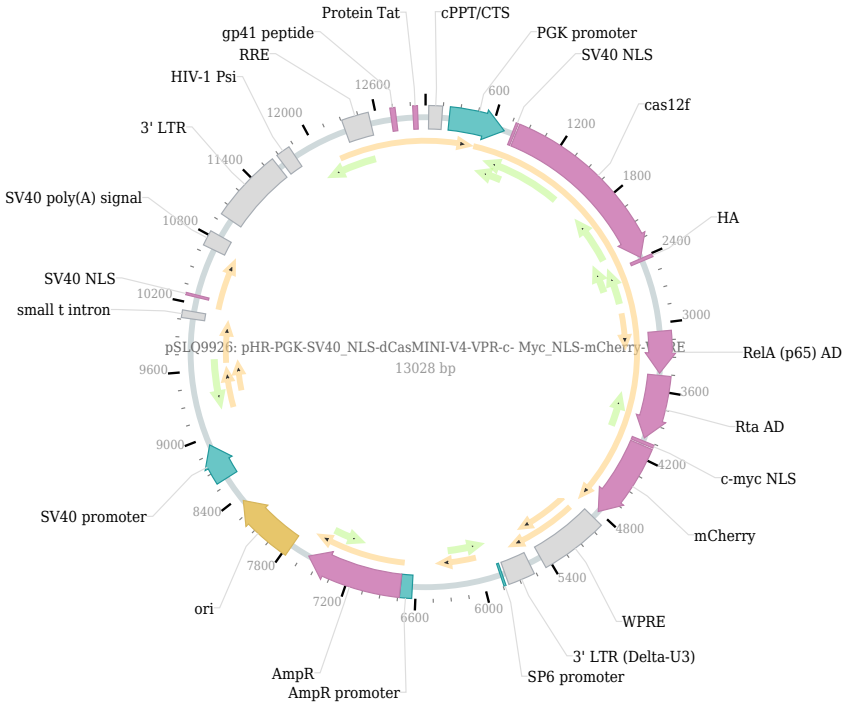
pSLQ9926: pHR-PGK-SV40_NLS-dCasMINI-V4-VPR-c- Myc_NLS-mCherry-WPRE

Vector ID	V017093
Antibiotic Resistance	Ampicillin
Length	13028 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Promoter	mPGK
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pSLQ9926 is a pHR-based lentiviral mammalian expression plasmid. Its PGK promoter drives dCasMINI-V4-VPR fused to mCherry, delivering a compact, RNA-guided transcriptional activator for CRISPRa and genome regulation in mammalian cells, with mCherry enabling visualization.

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 ℃.