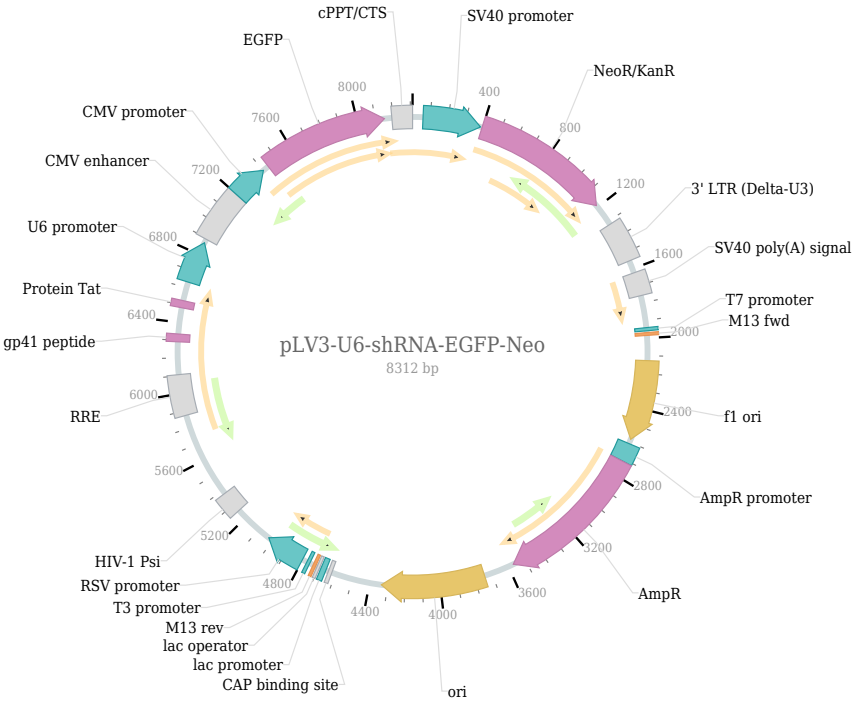
pLV3-U6-shRNA-EGFP-Neo

Vector ID	V014244
Antibiotic Resistance	Ampicillin
Length	8312 bp
Vector Type	RNA interference
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	SV40
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	This is an 8312 bp third-generation lentiviral vector, pLV3-U6-shRNA-EGFP-Neo. It is designed to express shRNA from the U6 promoter while expressing EGFP and NeoR from the CMV promoter for bicistronic expression. The vector includes all essential HIV-1 packaging elements (Ψ, Tat, RRE, cPPT/CTS) for efficient viral production and genome integration. For antibiotic selection and bacterial propagation, it incorporates the NeoR/KanR gene and the AmpR gene, respectively.

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 ℃.