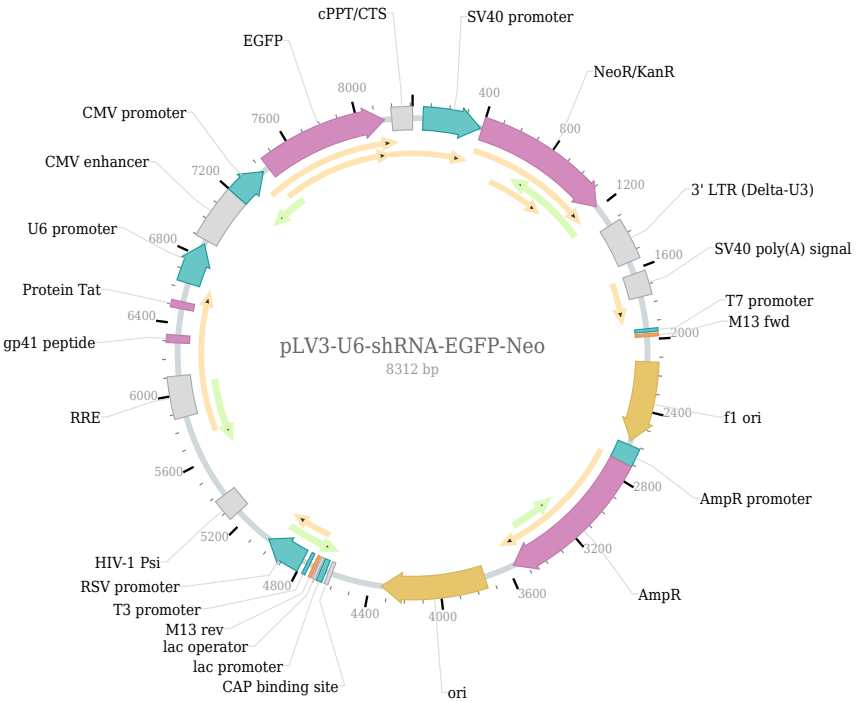
pLV3-U6-shRNA-EGFP-Neo

载体编号 Vector ID	V014244
抗性 Antibiotic Resistance	Ampicillin
长度 Length	8312 bp
载体类型 Vector Type	RNA interference
宿主 Host	Mammalian cells, Lentivirus

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Neo/G418
启动子 Promoter	SV40
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 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.

质粒图谱



复溶方法

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 ℃.