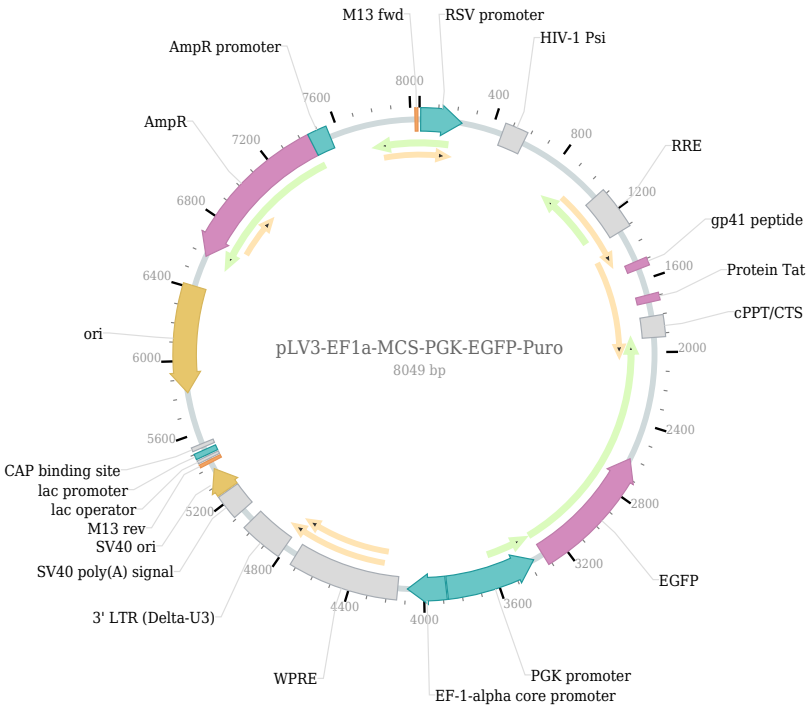
pLV3-EF1a-MCS-PGK-EGFP-Puro

载体编号 Vector ID	V014741
抗性 Antibiotic Resistance	Ampicillin
长度 Length	8049 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mammalian cells, Lentivirus

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Puro
启动子 Promoter	mPGK
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pLV3-EF1a-MCS-PGK-EGFP-Puro (8.0 kb) is a lentiviral vector for constitutive expression of two independent transgenes. It features an EF-1α core promoter driving a gene of interest inserted into the MCS, and a separate PGK promoter driving EGFP-Puro fusion (green fluorescent protein and puromycin resistance) for visual tracking and antibiotic selection. Lentiviral elements include RSV promoter, 5' LTR, HIV-1 Ψ, RRE, gp41 peptide, Tat, cPPT/CTS, WPRE, and 3' ΔU3 LTR. The vector also carries AmpR for bacterial selection, pUC ori, M13 sites, and SV40 ori/poly(A).

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 ℃.