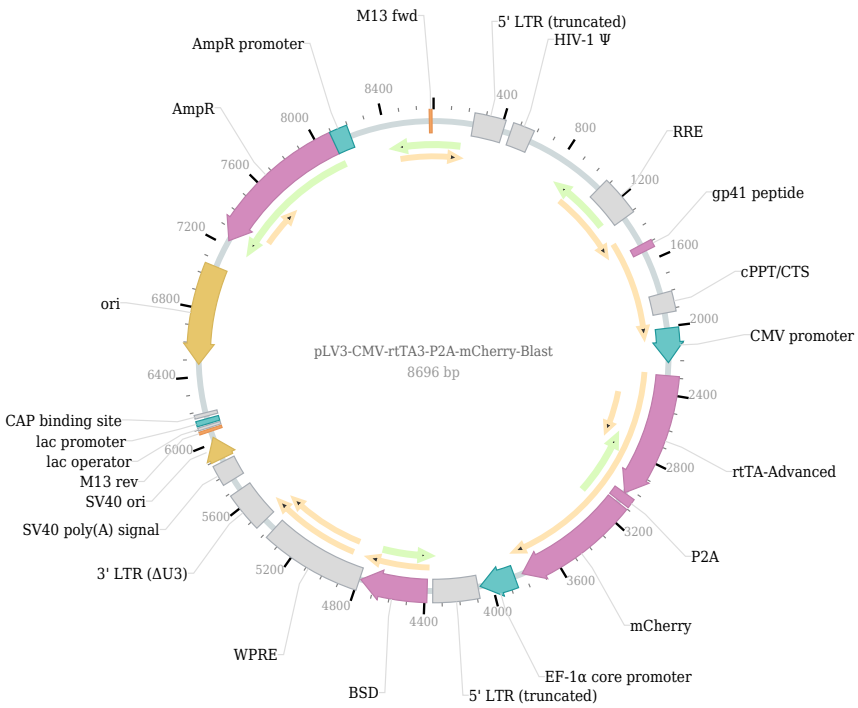
pLV3-CMV-rtTA3-P2A-mCherry-Blast

载体编号 Vector ID	V046473
抗性 Antibiotic Resistance	Ampicillin
长度 Length	8696 bp
载体类型 Vector Type	Protein expression, Tetracycline inducible
宿主 Host	Mammalian cells, Lentivirus

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Blast;mCherry
拷贝数 Copy Number	High
启动子 Promoter	CMV
5' 引物 5' Primer	CMV-F
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
表达方式 Expression Method	Tetracycline inducible
备注 Comment	pLV3-CMV-rtTA3-P2A-mCherry-Blast (8.7 kb) is a lentiviral vector for doxycycline-inducible gene expression. It features a CMV promoter driving rtTA3 (reverse tetracycline transactivator), linked via P2A to mCherry (red fluorescent protein) and a BSD (blasticidin resistance) gene. The vector also includes HIV-1 Ψ packaging signal, RRE, cPPT/CTS, WPRE, truncated 5' LTR, and 3' ΔU3 LTR for enhanced safety and expression. Additional elements: SV40 ori/poly(A), M13 sites, AmpR, and lac promoter/operator.

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 ℃.