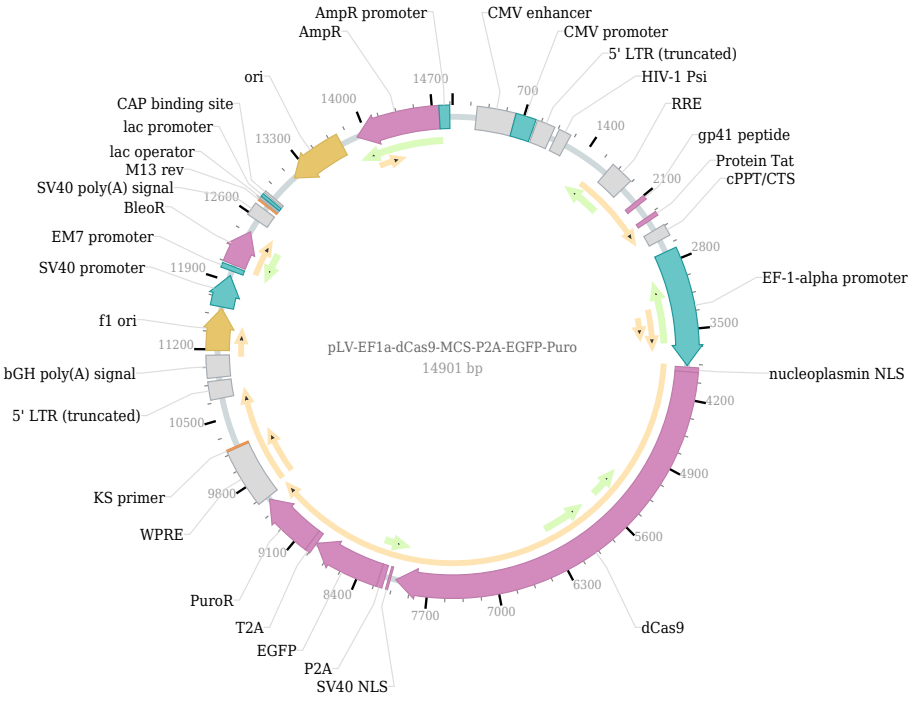
pLV-EF1a-dCas9-MCS-P2A-EGFP-Puro

载体编号 Vector ID	V015101
抗性 Antibiotic Resistance	Ampicillin
长度 Length	14901 bp
载体类型 Vector Type	Genome editing
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	EF-1α
5'引物 5' Primer	pEGFP-N-3'
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pLV-EF1a-dCas9-MCS-P2A-EGFP-Puro is a lentiviral CRISPR tool expressing nuclease-dead Cas9 (dCas9) from the EF1a promoter. The MCS downstream of dCas9 accepts effector domains (KRAB, VP64 and similar) to build CRISPRi/CRISPRa systems, while P2A-linked EGFP and puromycin resistance mark and select transduced cells. AmpR; Stbl3 propagation.

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 ℃.