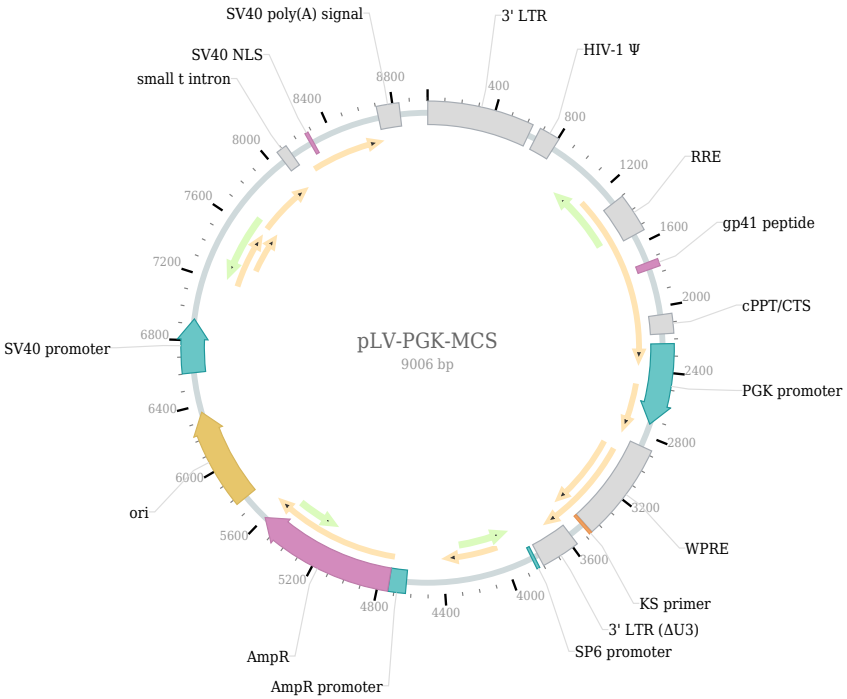
pLV-PGK-MCS

载体编号 Vector ID	V038228
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9006 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
拷贝数 Copy Number	High
启动子 Promoter	PGK
3' 引物 3' Primer	WPRE-R
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
表达方式 Expression Method	Constiutive, Stable / Transient
备注 Comment	This is a 9006 bp third-generation lentiviral vector, pLV-PGK-MCS. It is designed as an empty backbone for cloning target genes, utilizing the PGK promoter to drive expression. The vector includes essential HIV-1 packaging elements (Ψ, RRE, cPPT/CTS) for viral production, the WPRE element to enhance mRNA stability, and an MCS for gene insertion. It also contains the SV40 promoter and small t intron for efficient transgene expression, along with an AmpR gene for bacterial selection.

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 ℃.