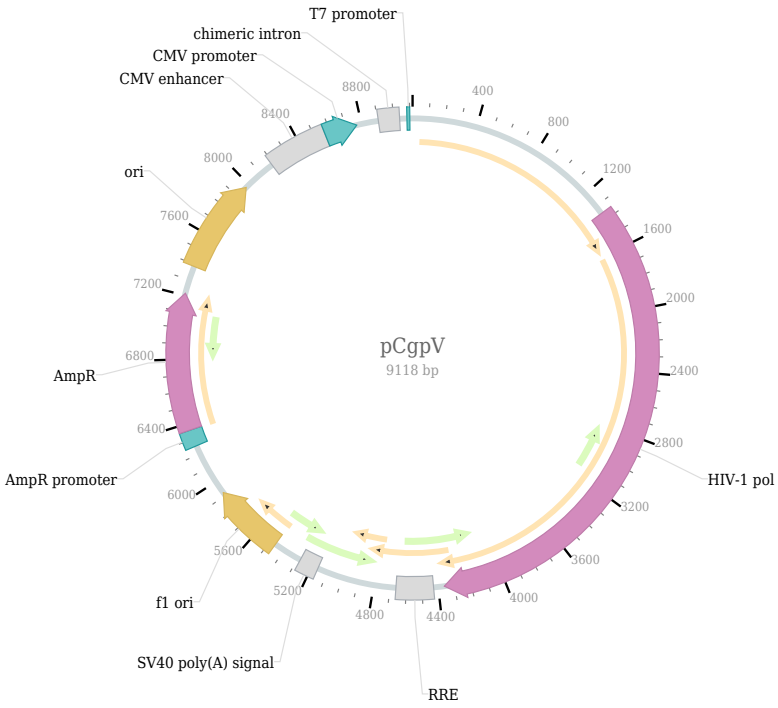
pCgpV

载体编号 Vector ID	V001623
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9118 bp
载体类型 Vector Type	Lentiviral vectors

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	High copy number
启动子 Promoter	CMV
克隆方法 Cloning Method	Enzyme digestion and ligation
5' 引物 5' Primer	CMV-F□CGCAAATGGGCGGTAGGCGTG
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pCgpV is a lentiviral packaging helper plasmid driven by the CMV promoter, which expresses HIV-1 gag-pol proteins. It carries ampicillin-resistance marker, HIV-1 Rev-response element (RRE) and adenovirus VA-RNA. It functions in a 4-plasmid third-generation lentivirus-packaging system together with pRSV-Rev, pCMV-VSV-G (envelope plasmid), and lentiviral transfer vector. For example, pCgpV can be co-transfected with pRSV-Rev, pCMV-VSV-G, and transfer vector pSIH1-H1-siLUC-copGFP into HEK-293T cells to generate GFP-labeled lentivirus for antiviral assays (Kim et al., Pharmaceuticals 13:266, 2020).

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 ℃.