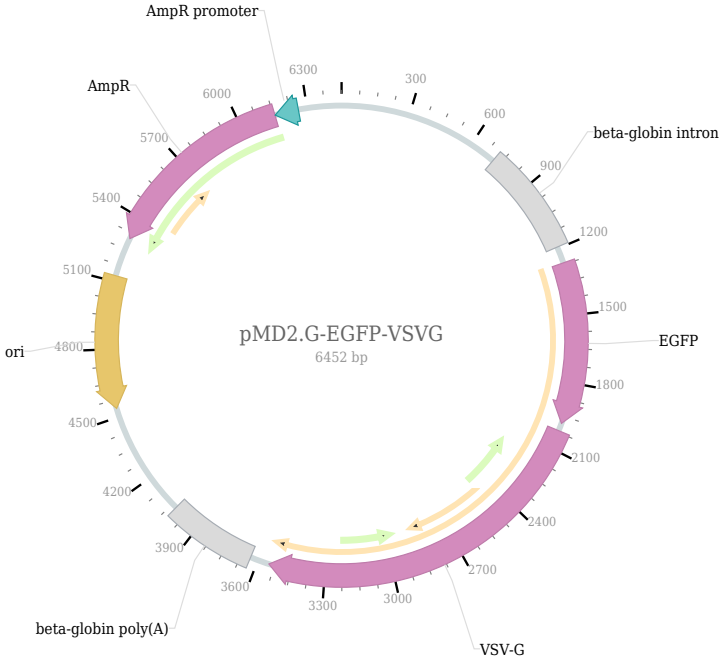
pMD2.G-EGFP-VSVG

载体编号 Vector ID	V015001
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6452 bp
载体类型 Vector Type	Packaging assistance
宿主 Host	Mammalian cells, Lentivirus

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	High copy number
启动子 Promoter	CMV+intron
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pMD2.G-EGFP-VSVG is a lentiviral packaging plasmid designed for pseudotyping lentiviral vectors. It encodes a fusion protein of the vesicular stomatitis virus G glycoprotein (VSV-G) and enhanced green fluorescent protein (EGFP), allowing the production of lentiviral particles with broad tropism while enabling visualization of transfection and transduction efficiency via green fluorescence . The plasmid utilizes a CMV promoter for high expression in mammalian cells, contains an ampicillin resistance gene for bacterial propagation, and is compatible with second and third-generation lentiviral packaging systems.

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 ℃.