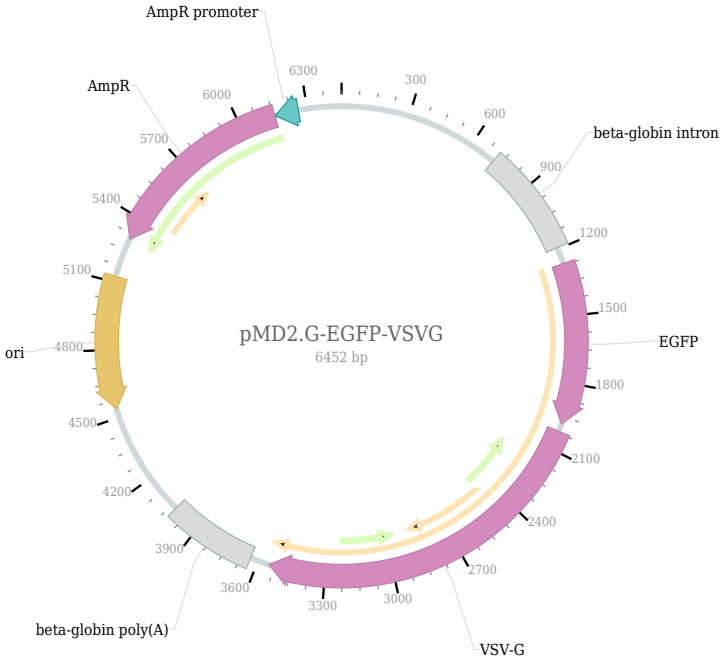
pMD2.G-EGFP-VSVG

Vector ID	V015001
Antibiotic Resistance	Ampicillin
Length	6452 bp
Vector Type	Packaging assistance
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Copy Number	High copy number
Promoter	CMV+intron
Growth Strain(s)	DH10B
Growth Temperature	37℃
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.

Vector Map



Plasmid Resuspension Protocol

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 ℃.