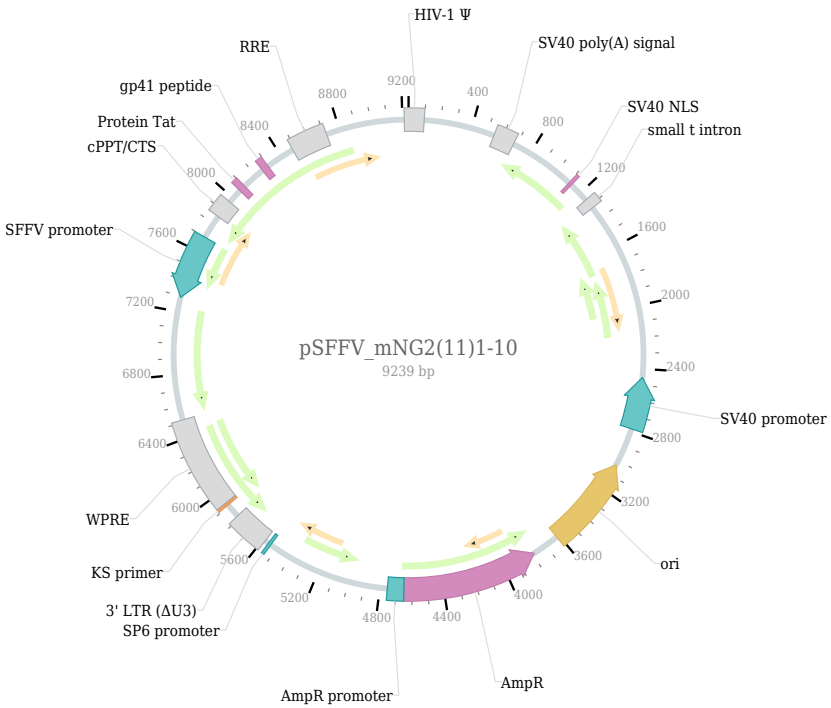
pSFFV_mNG2(11)1-10

载体编号 Vector ID	V018007
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9239 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
启动子 Promoter	SSFV
3' 引物 3' Primer	WPRE-R
培养菌株 Growth Strain(s)	stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pSFFV-mNG2$_{1-10}$ is a lentiviral mammalian expression plasmid driven by the strong SFFV promoter to stably produce the mNeonGreen2$_{1-10}$ split fluorescent fragment. This fragment alone shows negligible cellular background fluorescence, far lower than GFP$_{1-10}$ expressed under the same promoter. When cells carrying this plasmid are knocked-in with mNG2$_{11}$ tags on target endogenous proteins, the two fragments self-complement to generate bright yellow-green fluorescence for protein localization imaging. It enables sensitive labeling of low-abundance proteins and supports dual-color imaging paired with split sfCherry2 systems in human cell lines.

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 ℃.