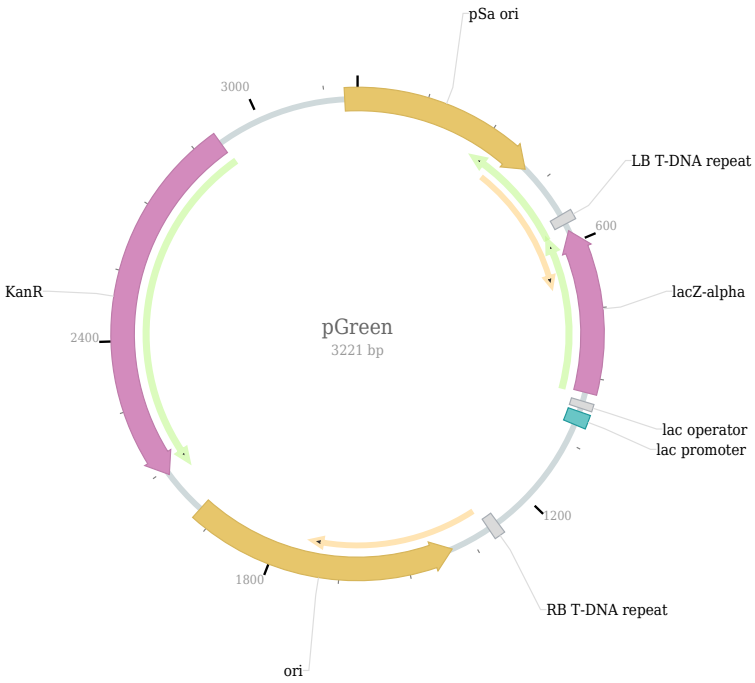
pGreen

载体编号 Vector ID	V010849
抗性 Antibiotic Resistance	Kanamycin
长度 Length	3221 bp
载体类型 Vector Type	Plant Vectors

产品信息

复制子 Replication Origin	pSa ori
来源 Source/Author	Hellens RP, Edwards EA, Leyland NR, Bean S, Mullineaux PM.
拷贝数 Copy Number	High copy number
5' 引物 5' Primer	M13 fwd
3' 引物 3' Primer	M13 rev
培养菌株 Growth Strain(s)	JM109
培养温度 Growth Temperature	37℃
备注 Comment	pGreen is a series of small, modular Agrobacterium binary Ti vectors. Its most distinctive feature is the dual binary system: pGreen itself carries only T-DNA and E. coli replication capability; it cannot replicate independently in Agrobacterium and must rely on the co-existing helper plasmid pSoup to trans-supply the replication protein (RepA). By removing the RepA/Mob function, pGreen has been reduced to an extremely small size, facilitating cloning operations.

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 ℃.