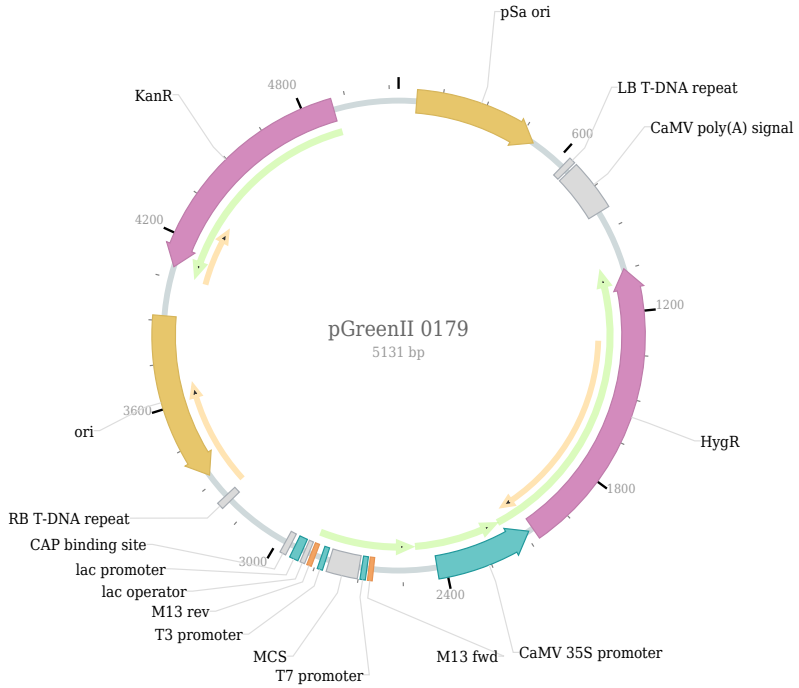
pGreenII 0179

载体编号 Vector ID	V010847
抗性 Antibiotic Resistance	Kanamycin
长度 Length	5131 bp
载体类型 Vector Type	Plant Vectors
宿主 Host	Plants

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
启动子 Promoter	CaMV 35S
5' 引物 5' Primer	M13 fwd
3' 引物 3' Primer	M13 rev
培养菌株 Growth Strain(s)	Top10
培养温度 Growth Temperature	37℃
备注 Comment	pGreenII 0179 is a compact Agrobacterium-mediated binary Ti vector from the pGreen system (Hellens et al., 2000). Its ColE1-derived origin supports replication in E. coli, and it requires the helper plasmid pSOUP for replication in A. tumefaciens. It carries an npt1 gene conferring kanamycin resistance for bacterial selection, plus a hygromycin resistance marker for in planta selection (Zhong et al., 2008).

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 ℃.