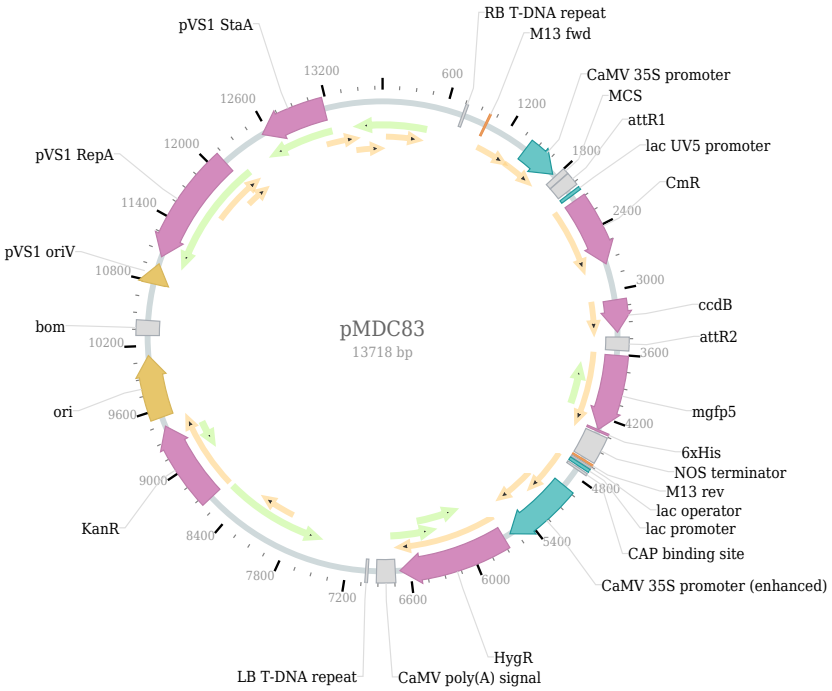
pMDC83

载体编号 Vector ID	V013531
抗性 Antibiotic Resistance	Chloramphenicol, Kanamycin
长度 Length	13718 bp
载体类型 Vector Type	Protein expression
宿主 Host	Plants

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Hyg
启动子 Promoter	CaMV 35S (enhanced)
培养菌株 Growth Strain(s)	DB3.1
培养温度 Growth Temperature	37℃
备注 Comment	pMDC83 is a Gateway-compatible Agrobacterium binary T-DNA destination vector derived from pCambia, designed for N-terminal GFP6 (with His-tag) protein fusions to study subcellular localization in plants. Three reading-frame variants (pMDC83/84/85) accommodate any gene insert lacking a native stop codon. A Gateway cassette flanked by AscI and PacI sites enables directional LR recombination for efficient cloning, while a CaMV 35S-driven hygromycin marker facilitates plant selection during Agrobacterium-mediated transformation.

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 ℃.