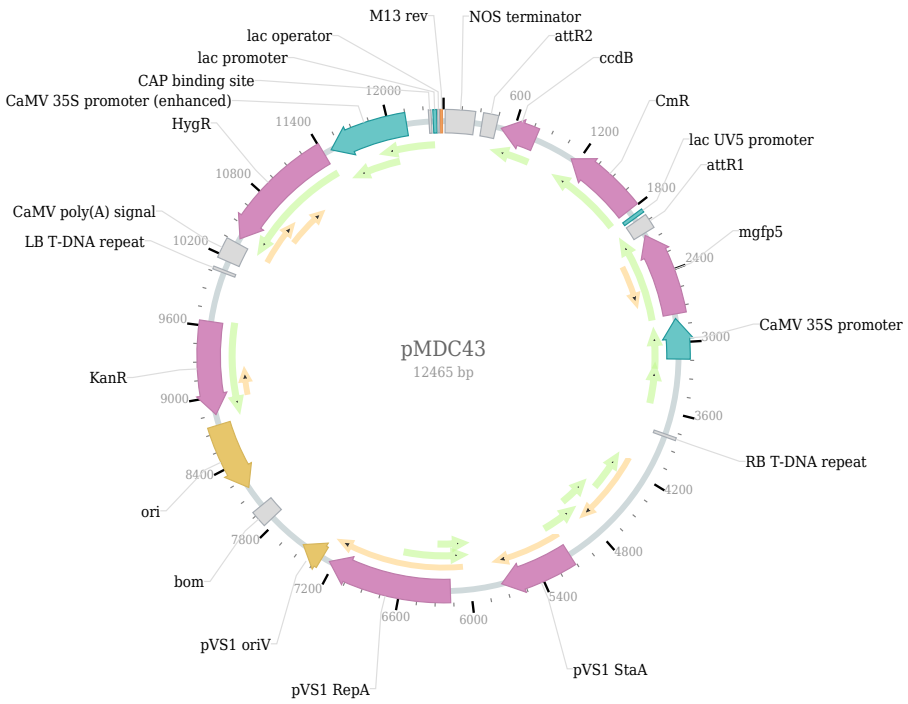
pMDC43

载体编号 Vector ID	V014606
抗性 Antibiotic Resistance	Chloramphenicol, Kanamycin
长度 Length	12465 bp
载体类型 Vector Type	Gene 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	CaMV35S(enhanced)
培养菌株 Growth Strain(s)	DB3.1
培养温度 Growth Temperature	37℃
备注 Comment	pMDC43 is a Gateway-compatible binary vector derived from the pCAMBIA backbone, designed for C-terminal GFP6 (His-tagged) fusion of target proteins in plants. It contains an attR1–ccdB–attR2 Gateway cassette (cassette C1), enabling directional LR cloning of entry clones carrying genes without a stop codon. Expression is driven by a dual CaMV 35S promoter, and hygromycin resistance provides plant selection.

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 ℃.