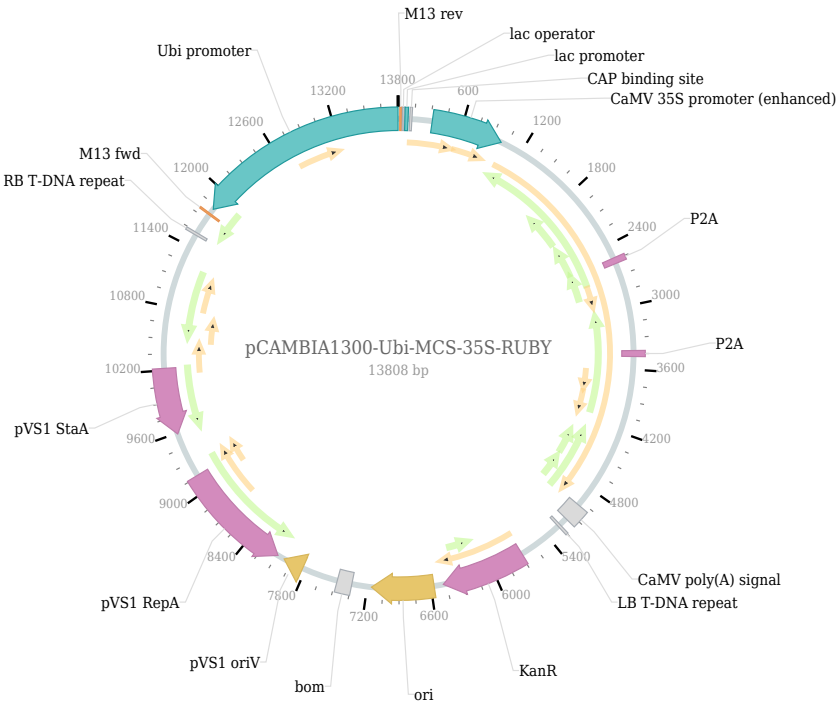
pCAMBIA1300-Ubi-MCS-35S-RUBY

载体编号 Vector ID	V038503
抗性 Antibiotic Resistance	Kanamycin
长度 Length	13808 bp
载体类型 Vector Type	Protein expression
宿主 Host	Plants

产品信息

复制子 Replication Origin	pVS1
拷贝数 Copy Number	High
启动子 Promoter	UBI
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
表达方式 Expression Method	Transient
备注 Comment	pCAMBIA1300-Ubi-MCS-35S-RUBY is a pCAMBIA1300-derived Agrobacterium binary vector (13,808 bp) for plant transformation. Its T-DNA contains a maize Ubi-1 promoter–MCS expression cassette for gene overexpression, and a CaMV 35S–RUBY visual reporter. RUBY encodes CYP76AD1, DODA, and GT linked by 2A peptides, producing red betanin for marker-free, naked-eye selection in planta.

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 ℃.