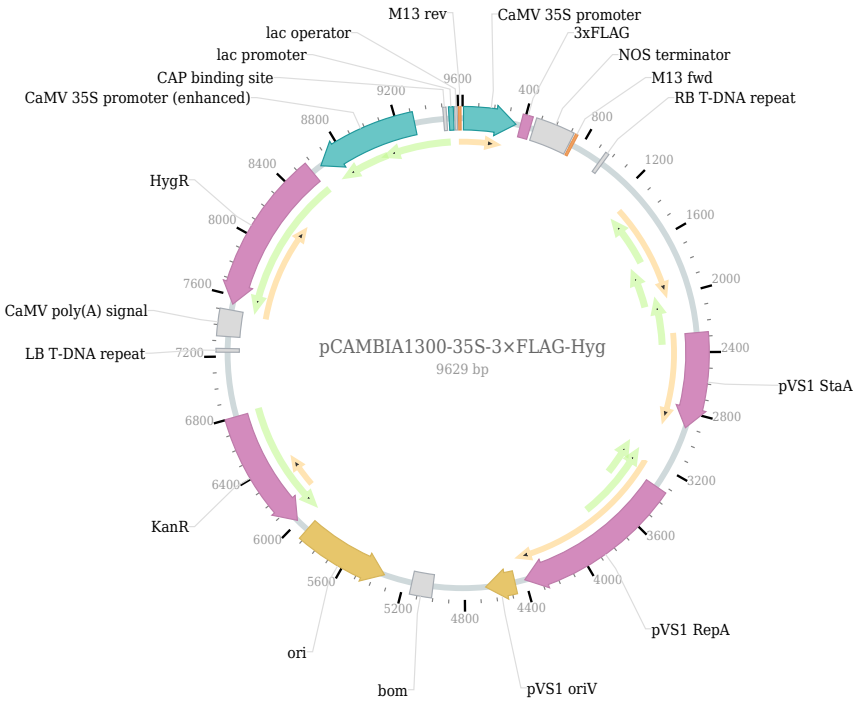
pCAMBIA1300-35S-3×FLAG-Hyg

载体编号 Vector ID	V040464
抗性 Antibiotic Resistance	Kanamycin
长度 Length	9629 bp
载体类型 Vector Type	Protein expression
宿主 Host	Plants

产品信息

复制子 Replication Origin	pVS1
筛选标记 Selection Marker	Hyg
拷贝数 Copy Number	High
启动子 Promoter	35S
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	pCAMBIA1300-35S-3×FLAG-Hyg (9.6 kb) is an Agrobacterium binary vector for plant transformation. The enhanced CaMV 35S promoter drives N-terminal 3×FLAG tagged expression of a gene of interest. The T-DNA is defined by RB and LB repeats, facilitating stable genomic integration in plants. It carries HygR for plant selection (hygromycin) and KanR for bacterial selection (kanamycin). The backbone includes pVS1 oriV/RepA/StaA for replication in Agrobacterium, a pUC ori for high-copy maintenance in E. coli, bom (basis of mobility), a NOS terminator, and CaMV poly(A) signal for transcription termination.

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 ℃.