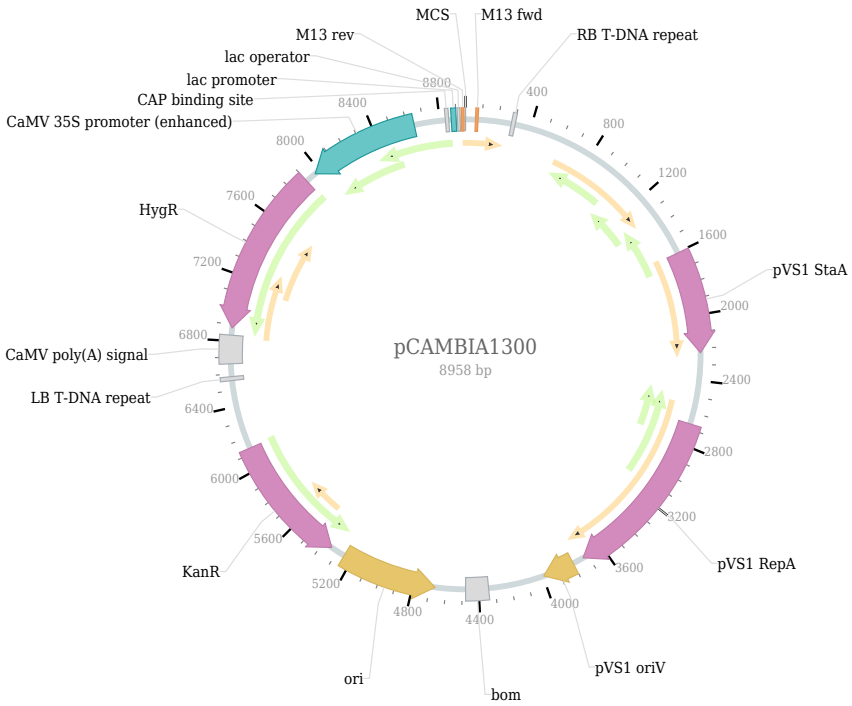
pCAMBIA1300

载体编号 Vector ID	V008765
抗性 Antibiotic Resistance	Kanamycin
长度 Length	8958 bp
载体类型 Vector Type	Binary vector
宿主 Host	Plants

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Hajdukiewicz P, Svab Z, Maliga P.
启动子 Promoter	CaMV 35S (enhanced)
培养菌株 Growth Strain(s)	stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pCAMBIA1300 is a plant binary expression vector designed for Agrobacterium-mediated plant transformation. It contains a kanamycin resistance gene for bacterial selection in E. coliand a hygromycin B resistance gene for selecting transformed plant cells. The vector features a pVS1 origin of replication for high stability in Agrobacteriumand a multiple cloning site within a lacZα fragment for blue-white screening of recombinant clones in bacteria. Its high copy number in E. colifacilitates ample DNA yield for genetic engineering applications in plants.

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 ℃.