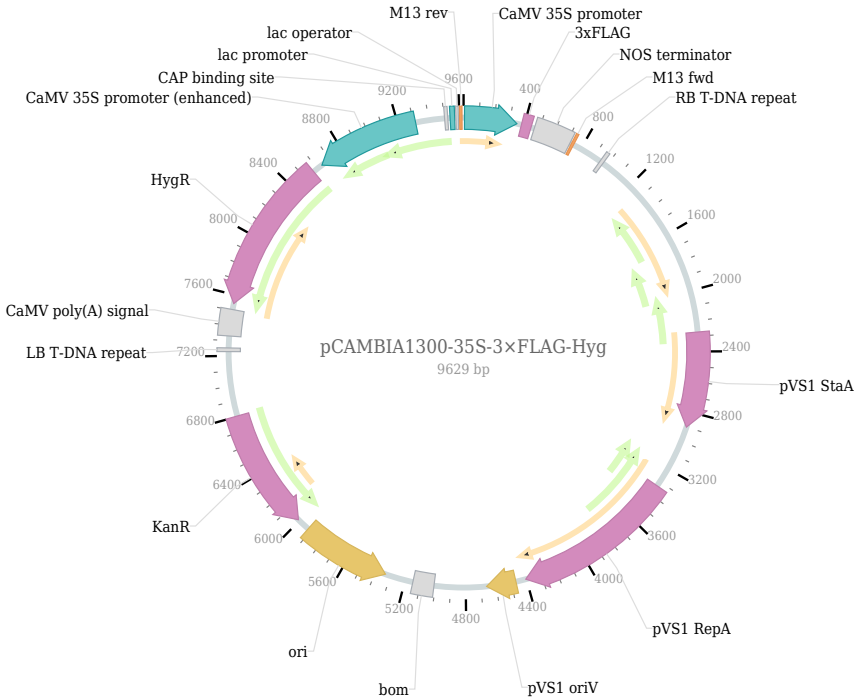
pCAMBIA1300-35S-3×FLAG-Hyg

Vector ID	V040464
Antibiotic Resistance	Kanamycin
Length	9629 bp
Vector Type	Protein expression
Host	Plants

Product Information

Replication Origin	pVS1
Selection Marker	Hyg
Copy Number	High
Promoter	35S
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
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.

Vector Map



Plasmid Resuspension Protocol

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 ℃.