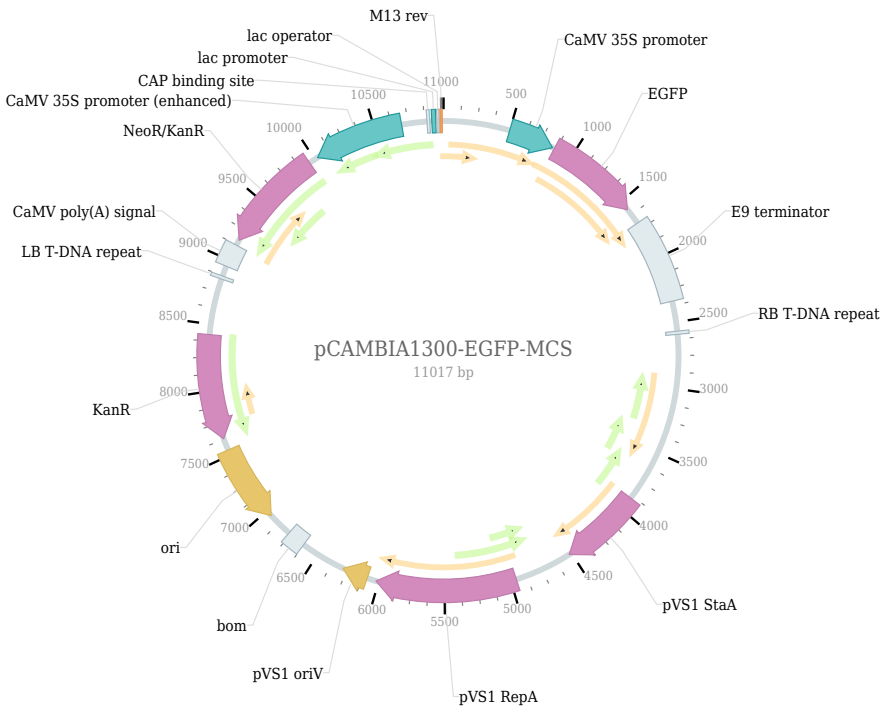
pCAMBIA1300-EGFP-MCS

Vector ID	V013496
Antibiotic Resistance	Kanamycin
Length	11017 bp
Vector Type	Protein expression
Host	Plants

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	CaMV 35S (enhanced)
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	This is an 11017 bp binary vector, pCAMBIA1300-EGFP-MCS, designed for plant transformation. It features the CaMV 35S promoter driving EGFP expression, flanked by T-DNA repeats for genomic integration. The MCS allows for cloning target genes. It includes KanR for bacterial selection and NeoR/KanR for plant selection, replicating in both E. coli and Agrobacterium via pVS1 and bacterial origins.

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 ℃.