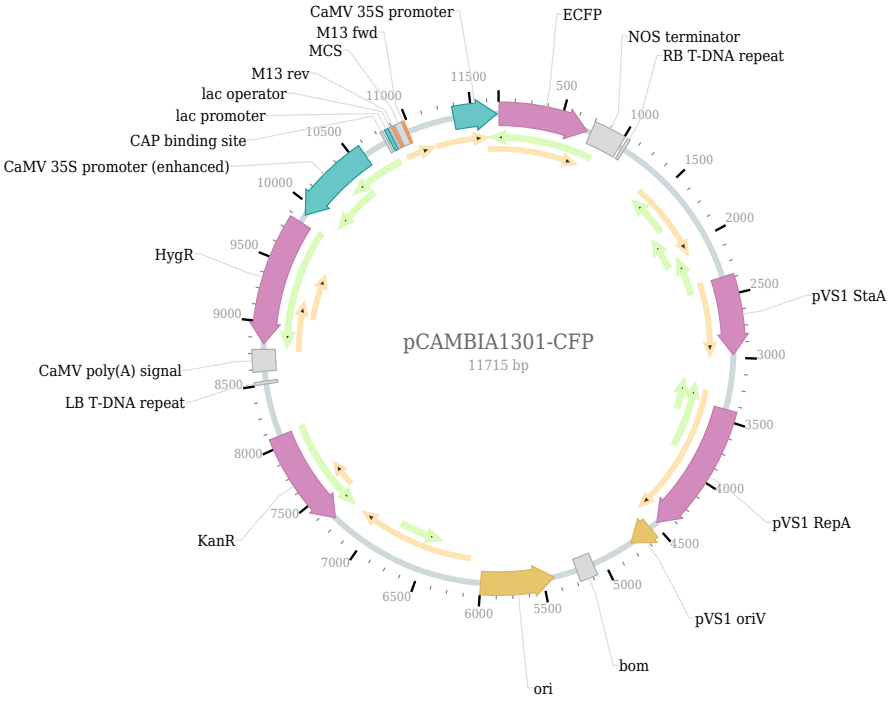
pCAMBIA1301-CFP

Vector ID	V001313
Antibiotic Resistance	Kanamycin
Length	11715 bp
Vector Type	Plant Binary Expression Vectors
Host	Plants

Product Information

Replication Origin	ori
Selection Marker	ECFP
Promoter	CaMV 35S (enhanced)
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pCAMBIA1301-CFP is a plant binary expression vector of approximately 10.5 kb, derived from the pCAMBIA1301 backbone. It contains a kanamycin resistance gene for bacterial selection and a hygromycin resistance marker for selecting transformed plants. Its key feature is the Enhanced Cyan Fluorescent Protein (ECFP) reporter gene, which allows for visual tracking of gene expression in plant cells.

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 ℃.