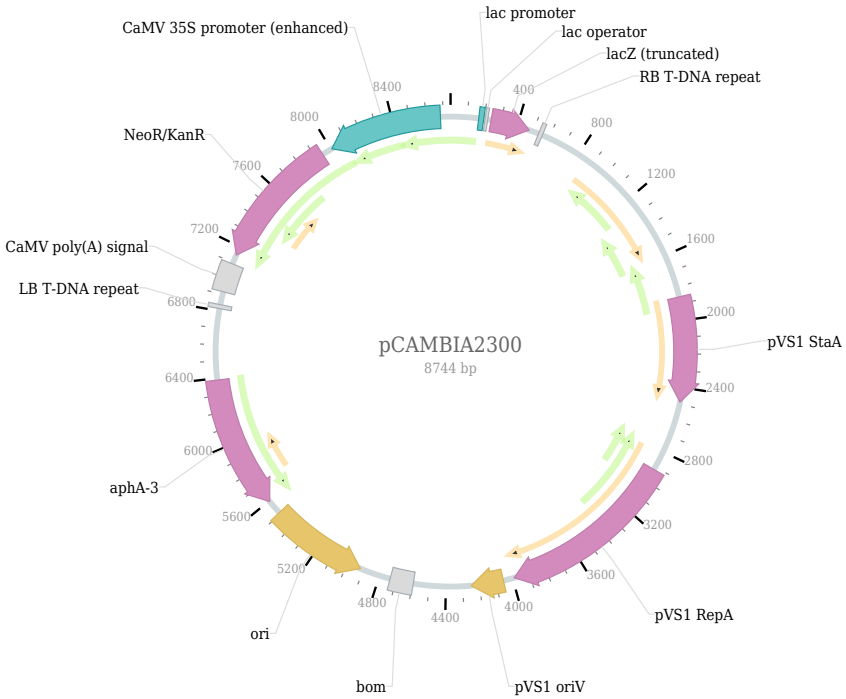
pCAMBIA2300

Vector ID	V010873
Antibiotic Resistance	Kanamycin
Length	8744 bp
Vector Type	Plant Vectors
Host	Plants

Product Information

Replication Origin	ori
Source/Author	Cambia
Selection Marker	Neomycin/G418(Geneticin)
Copy Number	High copy number
Promoter	CaMV 35S (enhanced)
5' Primer	M13 fwd
3' Primer	M13 rev
Growth Strain(s)	stbl3
Growth Temperature	37℃
Comment	pCAMBIA2300 is a binary vector for Agrobacterium-mediated plant transformation. Based on pVS1/pBR322 replicons, it carries KanR/NPTII selection and a reporter-free T-DNA with a pUC18-derived polylinker (EcoRI–HindIII), allowing users to clone their own promoter–gene–terminator cassette without GUS/Luc background interference.

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 ℃.