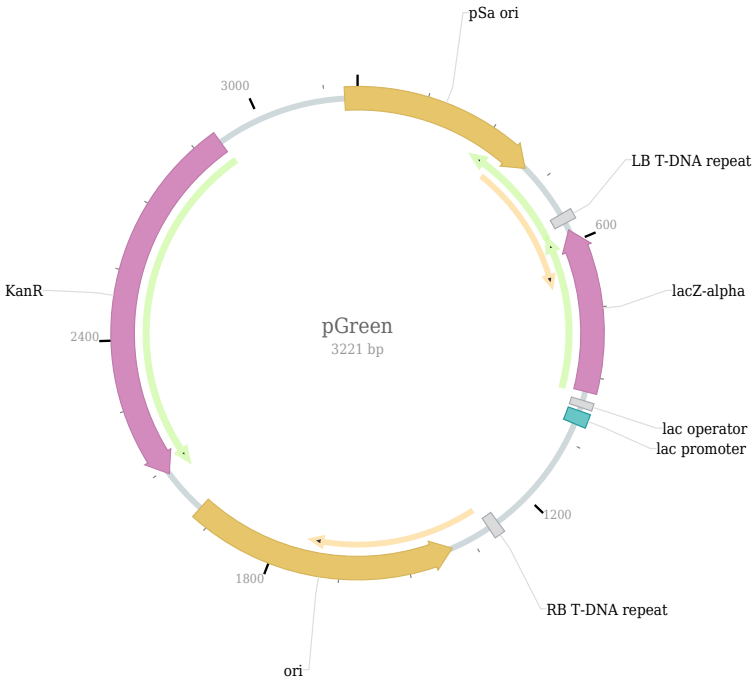
pGreen

Vector ID	V010849
Antibiotic Resistance	Kanamycin
Length	3221 bp
Vector Type	Plant Vectors

Product Information

Replication Origin	pSa ori
Source/Author	Hellens RP, Edwards EA, Leyland NR, Bean S, Mullineaux PM.
Copy Number	High copy number
5' Primer	M13 fwd
3' Primer	M13 rev
Growth Strain(s)	JM109
Growth Temperature	37℃
Comment	pGreen is a series of small, modular Agrobacterium binary Ti vectors. Its most distinctive feature is the dual binary system: pGreen itself carries only T-DNA and E. coli replication capability; it cannot replicate independently in Agrobacterium and must rely on the co-existing helper plasmid pSoup to trans-supply the replication protein (RepA). By removing the RepA/Mob function, pGreen has been reduced to an extremely small size, facilitating cloning operations.

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 ℃.