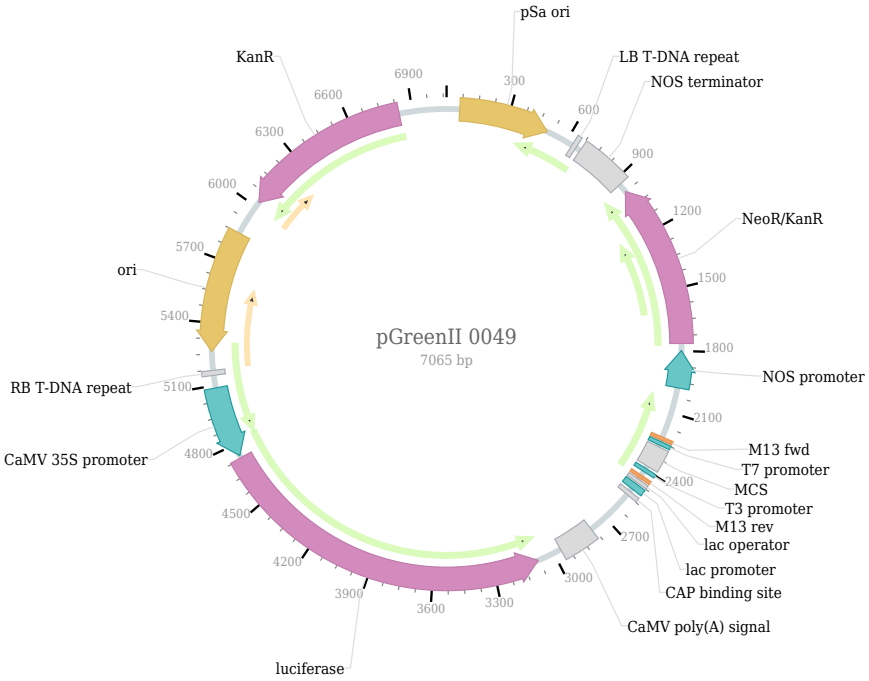
pGreenII 0049

Vector ID	V010848
Antibiotic Resistance	Kanamycin
Length	7065 bp
Vector Type	Plant Vectors
Host	Plants

Product Information

Replication Origin	pSa ori
Source/Author	Hellens RP, Edwards EA, Leyland NR, Bean S, Mullineaux PM.
Selection Marker	Neomycin/G418(Geneticin)
Copy Number	High copy number
Promoter	CaMV 35S
5' Primer	M13 fwd
3' Primer	M13 rev
Comment	pGreenII 0049 is a binary vector for plant transformation. It contains a CaMV 35S promoter driving GFP reporter gene expression and a kanamycin resistance gene for selection in bacteria. Used with helper plasmids for Agrobacterium-mediated gene transfer.

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 ℃.