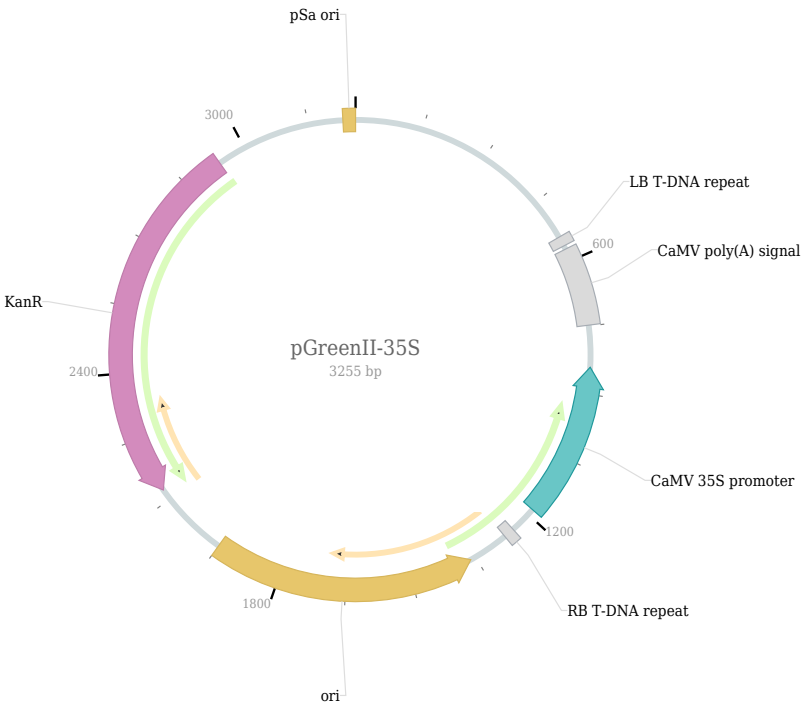
pGreenII-35S

Vector ID	V005890
Antibiotic Resistance	Kanamycin
Length	3255 bp
Vector Type	Binary cloning vector
Host	Plants

Product Information

Replication Origin	pSa ori
Source/Author	Tuo D.
Promoter	CaMV 35S
Comment	pGreenII-35S is a compact (3,255 bp) plant binary cloning vector derived from pGreenII 0000, developed by Tuo et al. (2017). Built on the versatile pGreen backbone of Hellens et al. (2000), it carries T-DNA left/right border repeats flanking a CaMV 35S promoter and CaMV poly(A) signal cassette, enabling constitutive expression of inserted sequences in planta. The vector is maintained in bacteria by a pSa replication origin with kanamycin (KanR) selection, and replicates in Agrobacterium tumefaciens with the pSoup helper plasmid. It is widely used for overexpression, reporter assays and plant virus infectious-clone construction.

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 ℃.