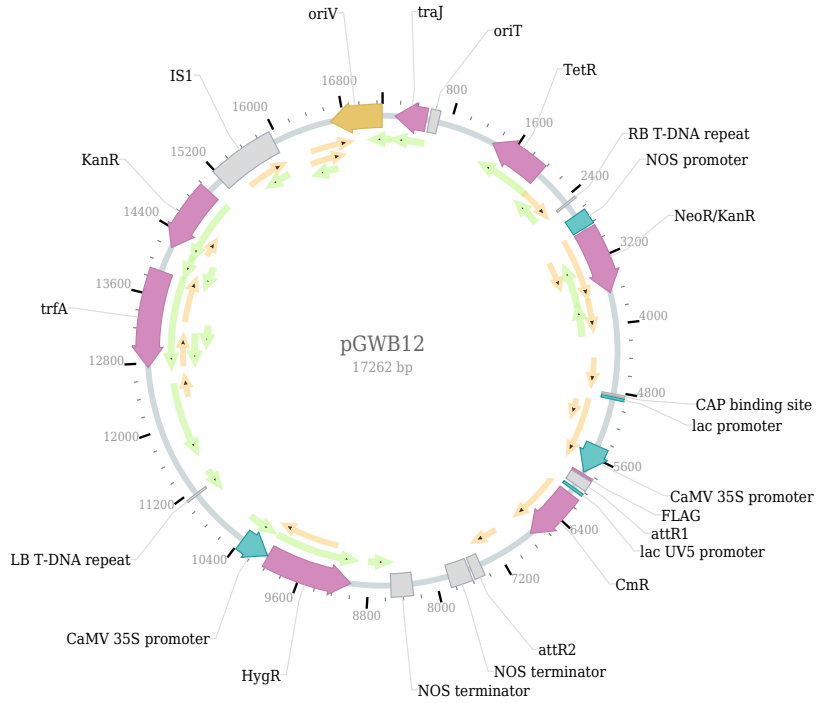
pGWB12

Vector ID	V013445
Antibiotic Resistance	Kanamycin
Length	17262 bp
Vector Type	Protein expression
Host	Plants

Product Information

Replication Origin	oriV
Selection Marker	Hyg,Neo/G418
Promoter	CaMV35S(long)
Growth Strain(s)	DB3.1
Growth Temperature	37℃
Comment	pGWB12 (Nakagawa et al. 2007) is a Gateway binary T-DNA vector for Agrobacterium-mediated plant transformation. The CaMV35S promoter drives N-terminal FLAG fusion of the gene of interest via attR1-ccdB-attR2 recombination (propagate in DB3.1 with kanamycin). The T-DNA carries HPT and nptII, allowing hygromycin or kanamycin plant selection.

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 ℃.