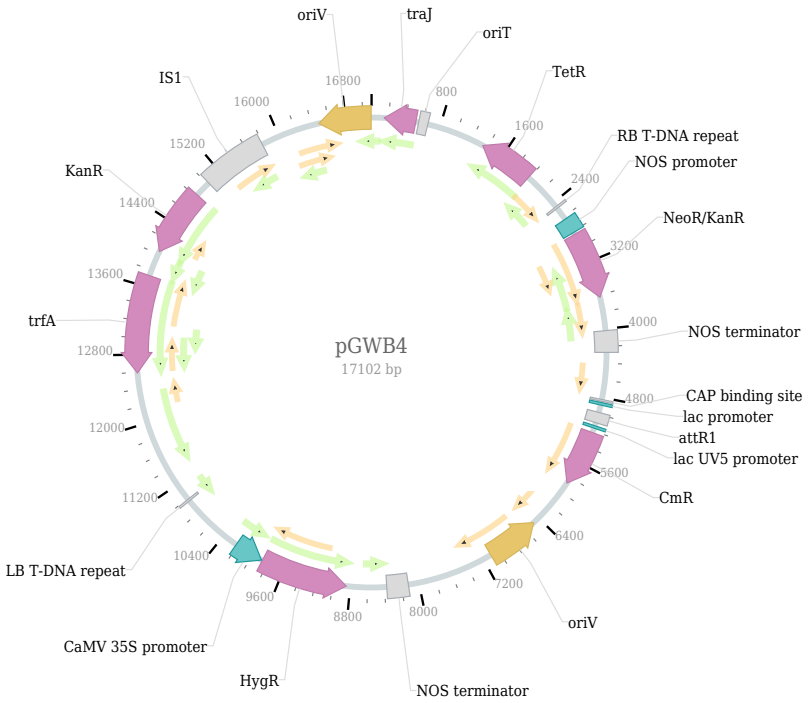
pGWB4

Vector ID	V013441
Antibiotic Resistance	Kanamycin
Length	17102 bp
Vector Type	Protein expression
Host	Plants

Product Information

Replication Origin	oriV
Selection Marker	Hyg,Neo/G418
Promoter	NOS
Growth Strain(s)	DB3.1
Growth Temperature	37℃
Comment	pGWB4 is a Gateway binary vector for Agrobacterium-mediated plant transformation. Its T-DNA carries a promoterless attR1–Cmr–ccdB–attR2 cassette fused to C-terminal sGFP, plus PNOS::nptII and P35S::hpt selection markers. One LR reaction converts an entry clone into a C-terminal GFP fusion construct.

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 ℃.