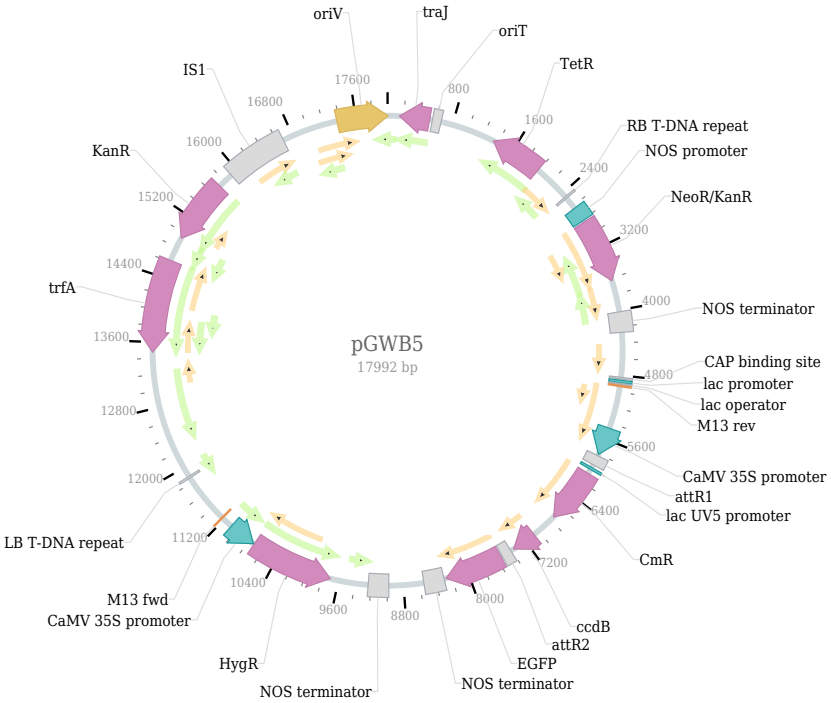
pGWB5

Vector ID	V013792
Antibiotic Resistance	Kanamycin
Length	17992 bp
Vector Type	Protein expression
Host	Plants

Product Information

Replication Origin	oriV
Selection Marker	Hyg,Neo/G418
Promoter	CaMV 35S
Growth Strain(s)	DB3.1
Growth Temperature	37℃
Comment	pGWB5 is a Gateway binary vector derived from pBI101, designed for constitutive expression and C-terminal sGFP fusion in plants. Its T-DNA carries a CaMV 35S promoter followed by an attR1–CmR–ccdB–attR2 cassette and sGFP. A single LR reaction replaces ccdB with the gene of interest. Kanamycin/hygromycin 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 ℃.