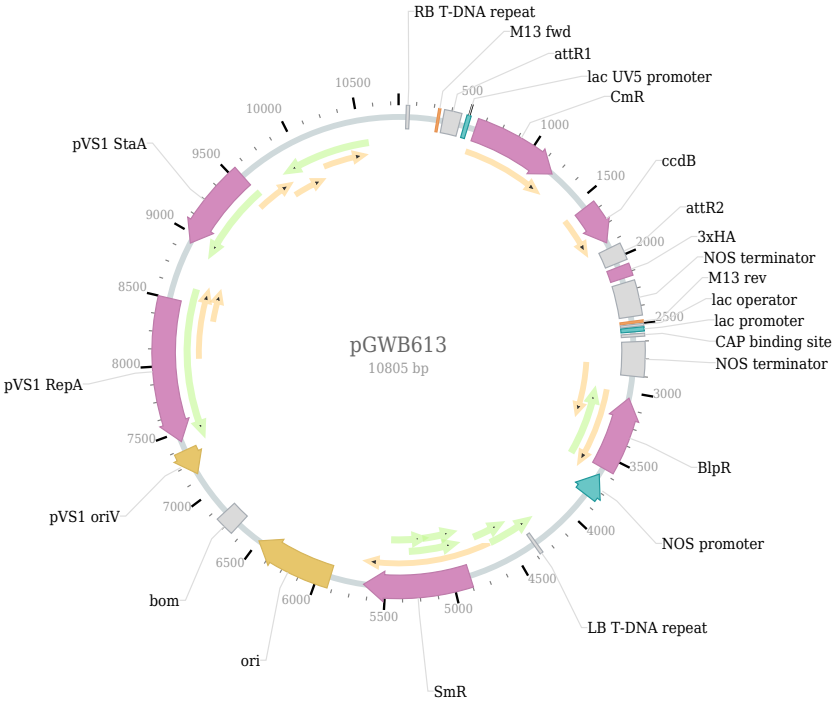
pGWB613

Vector ID	V005735
Antibiotic Resistance	Spectinomycin
Length	10805 bp
Vector Type	Gateway binary vector
Host	Plants

Product Information

Replication Origin	ori
Source/Author	Nakamura S, Mano S, Tanaka Y, Ohnishi M, Nakamori C, Araki M, Niwa T, Nishimura M, Kaminaka H, Nakagawa T, Sato Y, Ishiguro S.
Promoter	NOS
Growth Strain(s)	DB3.1
Growth Temperature	37℃
Comment	pGWB613 (pGWB600 series, Nakamura et al. 2010) is a promoterless Gateway binary vector for analyzing custom promoter-gene fusions in plants. LR recombination at attR1-ccdB-attR2 (DB3.1) inserts promoter-ORF entry clones as C-terminal 3xHA fusions. The pPZP backbone (pVS1 ori) carries bar for BASTA plant selection and spectinomycin/streptomycin resistance in E. coli.

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 ℃.