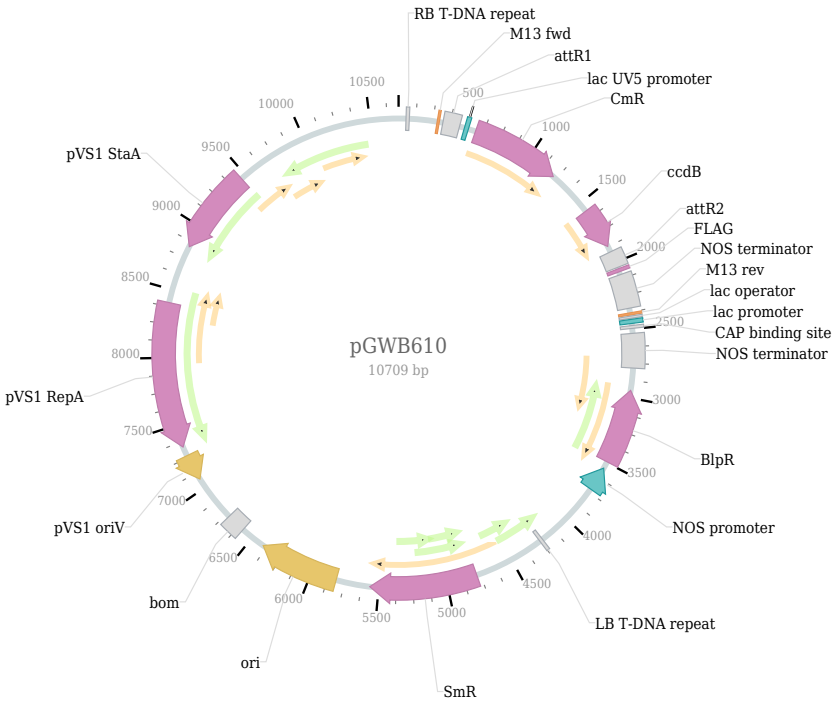
pGWB610

Vector ID	V005738
Antibiotic Resistance	Spectinomycin
Length	10709 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
Comment	pGWB610 is a promoterless Gateway-compatible binary vector for plant transformation. LR recombination with an entry clone creates a promoter::ORF–FLAG fusion, since the attR1–ccdB–attR2 cassette is followed by a C-terminal FLAG tag and NOS terminator; it is thus used for promoter activity analysis.

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 ℃.