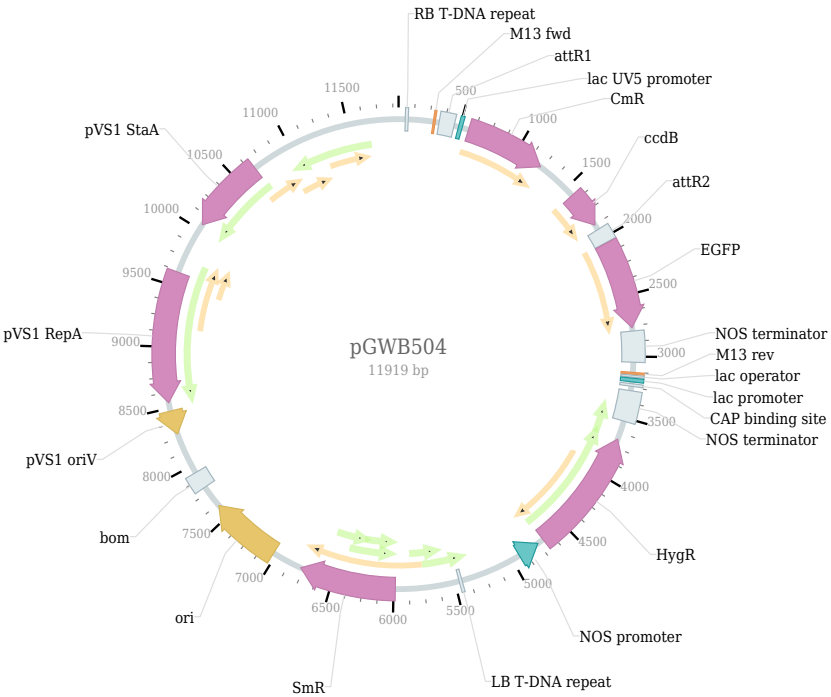
pGWB504

Vector ID	V005799
Antibiotic Resistance	Chloramphenicol
Length	11919 bp
Vector Type	Gateway binary vector
Host	Plants

Product Information

Replication Origin	ori
Source/Author	Nakagawa T, Suzuki T, Murata S, Nakamura S, Hino T, Maeo K, Tabata R, Kawai T, Tanaka K, Niwa Y, Watanabe Y, Nakamura K, Kimura T, Ishiguro S.
Copy Number	High copy number
Promoter	NOS
Growth Strain(s)	DB3.1
Comment	pGWB504 belongs to the pGWB500 series with hygromycin resistance for plant screening. It is promoter-free and generates C-terminal sGFP fusions with target genes via Gateway LR recombination. Derived from compact pPZP221 backbone, this high-copy plasmid simplifies plasmid extraction and sequencing. It is widely applied to analyze native protein subcellular localization driven by endogenous promoters in plants.

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 ℃.