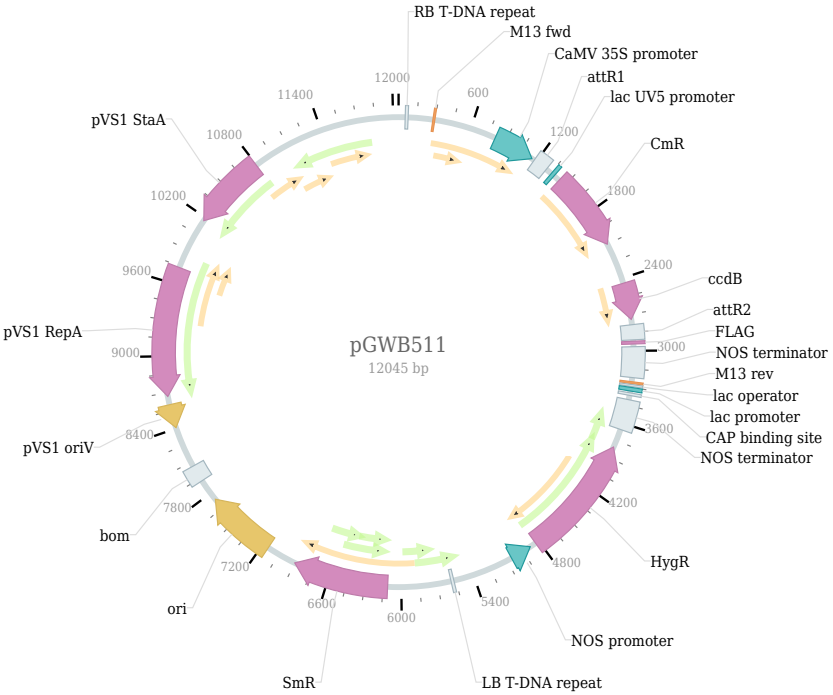
pGWB511

Vector ID	V005792
Antibiotic Resistance	Chloramphenicol
Length	12045 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.
Promoter	CaMV35S(long)
Growth Strain(s)	DB3.1
Growth Temperature	37℃
Comment	pGWB511 belongs to the pGWB500 Gateway binary vector series with hygromycin plant selection marker. It carries CaMV 35S promoter and enables constitutive C-terminal fusion of target proteins with FLAG epitope tag via LR recombination. Built on compact pPZP221 backbone, this high-copy plasmid facilitates simple plasmid extraction and sequencing in E. coli. It is commonly used for plant protein immunoblot detection and co-immunoprecipitation interaction 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 ℃.