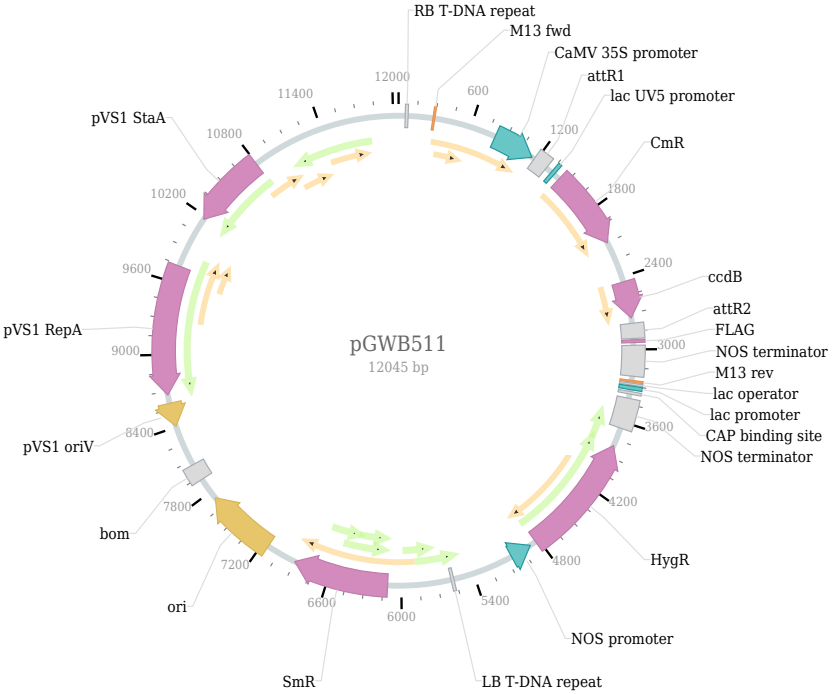
pGWB511

载体编号 Vector ID	V005792
抗性 Antibiotic Resistance	Chloramphenicol
长度 Length	12045 bp
载体类型 Vector Type	Gateway binary vector
宿主 Host	Plants

产品信息

复制子 Replication Origin	ori
来源 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.
启动子 Promoter	CaMV35S(long)
培养菌株 Growth Strain(s)	DB3.1
培养温度 Growth Temperature	37℃
备注 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.

质粒图谱



复溶方法

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 ℃.