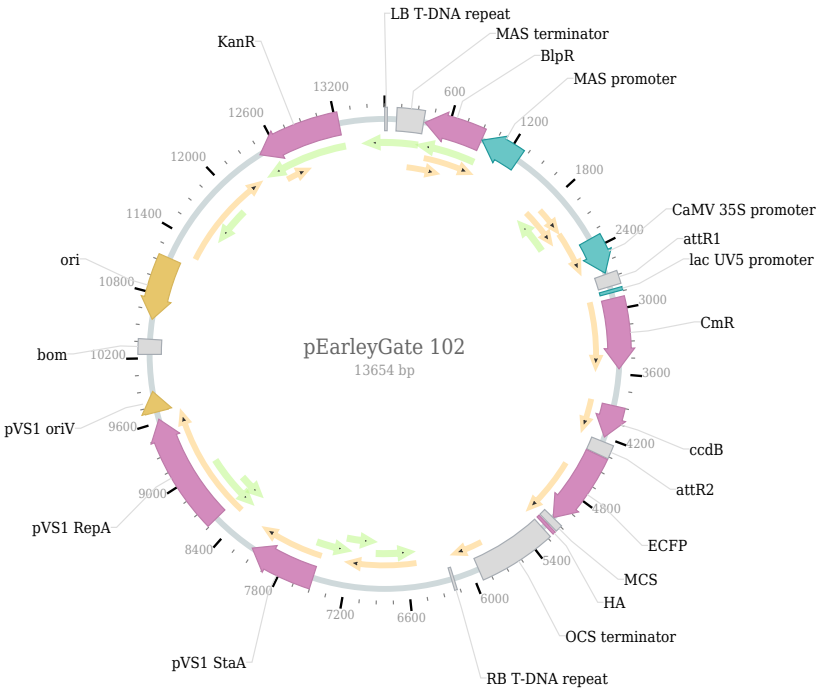
pEarleyGate 102

Vector ID	V010864
Antibiotic Resistance	Chloramphenicol
Length	13654 bp
Vector Type	Plant Vectors

Product Information

Replication Origin	ori
Source/Author	Earley KW, Haag JR, Pontes O, Opper K, Juehne T, Song K, Pikaard CS.
Copy Number	High copy number
Promoter	MAS
Growth Strain(s)	DB3.1
Growth Temperature	37℃
Comment	pEarleyGate 102 is a Gateway-compatible plant binary vector designed for Agrobacterium-mediated transformation. It allows for the generation of N- or C-terminal epitope-tagged fusion proteins (such as HA, FLAG, cMyc, or AcV5) under the control of the CaMV 35S promoter. This vector is part of the pEarleyGate series and is widely used for transient or stable expression studies, facilitating protein localization, immunoprecipitation, and affinity purification in diverse plant tissues.

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 ℃.