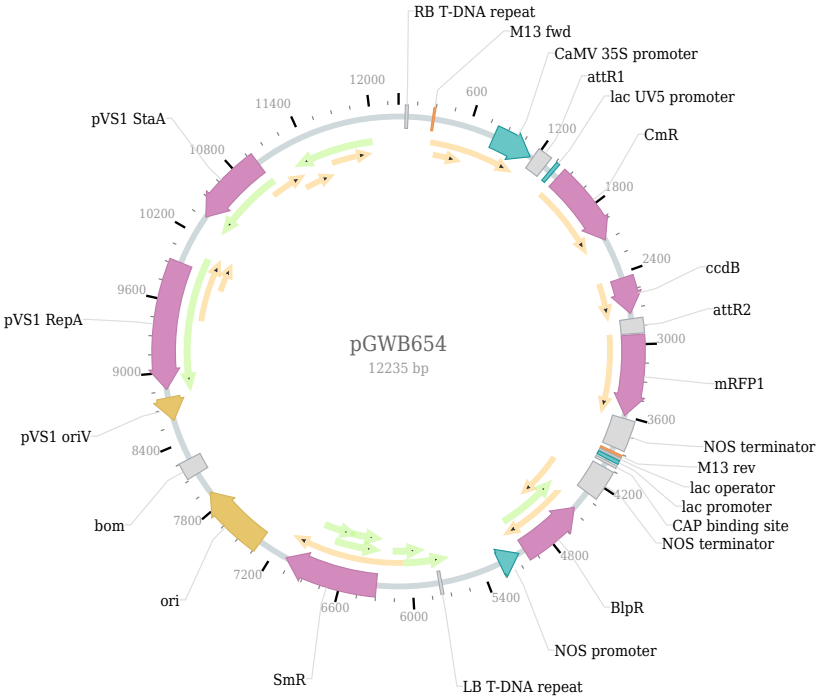
pGWB654

Vector ID	V005706
Antibiotic Resistance	Streptomycin
Length	12235 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	CaMV35S(long)
Comment	pGWB654 (pGWB600 series, Nakamura et al. 2010) is a Gateway binary vector for CaMV35S-driven overexpression of C-terminal mRFP fusion proteins in plants. LR recombination of an entry ORF at attR1-ccdB-attR2 yields GOI-mRFP for subcellular localization studies. The pPZP backbone (pVS1 ori) provides bar/BASTA plant selection and spectinomycin/streptomycin resistance in E. coli (DB3.1).

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 ℃.