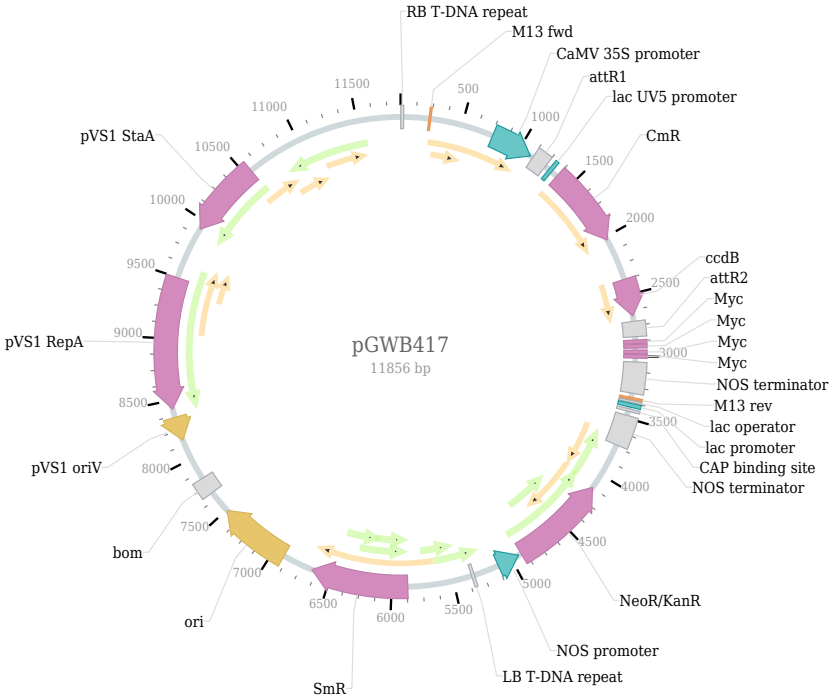
# pGWB417

| | |
|---|---|
| **Vector ID** | V005842 |
| **Antibiotic Resistance** | Chloramphenicol |
| **Length** | 11856 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 |
| **Comment** | pGWB417 belongs to the improved pGWB400 Gateway binary vector series carrying kanamycin plant selection marker. It contains CaMV 35S promoter and enables constitutive C-terminal fusion of target proteins with 4Myc epitope tag in plants. This high-copy pPZP-backbone vector supports efficient Gateway LR recombination without linearization beforehand. It is widely used for immunodetection and co-purification assays of plant interacting proteins. |

## 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 ℃.