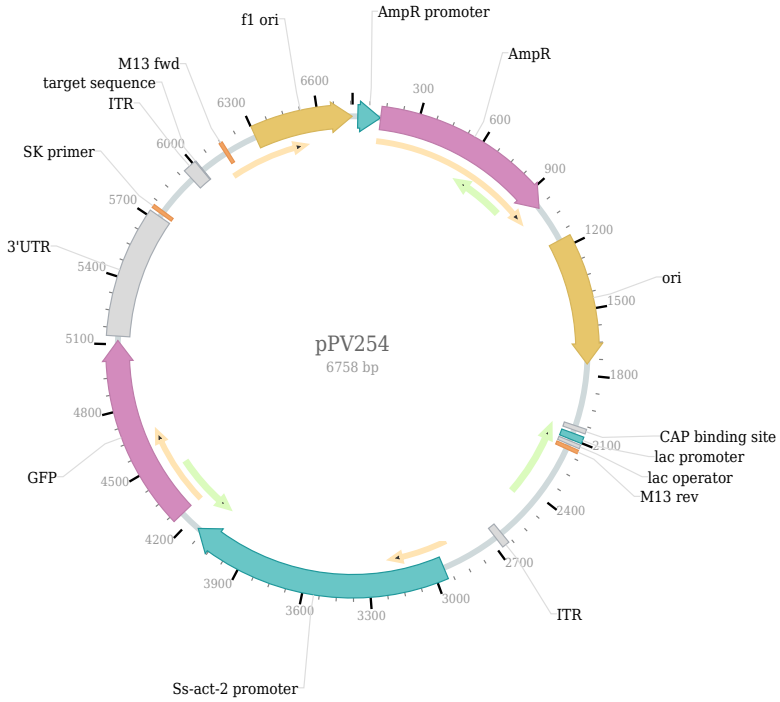
# pPV254

| | |
|---|---|
| **Vector ID** | V003900 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 6758 bp |
| **Vector Type** | PiggyBac_based_Ss_Act2_gfp_era1 vector |

## Product Information

| | |
|---|---|
| **Replication Origin** | ori |
| **Source/Author** | Shao H, Li X, Nolan TJ, Massey HC Jr., Pearce EJ, Lok JB. |
| **Growth Strain(s)** | DH10B |
| **Growth Temperature** | 37℃ |
| **Comment** | pPV254 is a piggyBac transposon donor vector for Strongyloides stercoralis transgenesis. The ITR-flanked cassette expresses GFP from the Ss-act-2 promoter with an Ss-era-1 3' UTR; co-injection with piggyBac helper transposase yields stable chromosomal integration and heritable germline transformation (Shao et al. 2012). |

## 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 ℃.