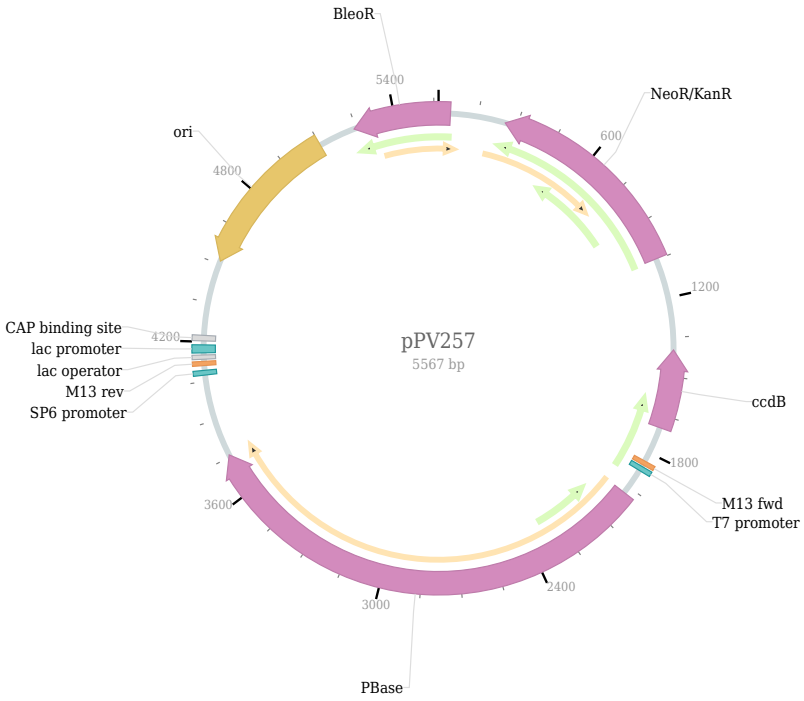
pPV257

Vector ID	V003899
Antibiotic Resistance	Kanamycin
Length	5567 bp
Vector Type	PiggyBac_helper_T7_transposase vector

Product Information

Replication Origin	ori
Source/Author	Shao H, Li X, Nolan TJ, Massey HC Jr., Pearce EJ, Lok JB.
Growth Strain(s)	DB3.1
Growth Temperature	37℃
Comment	pPV257 is a piggyBac helper plasmid (5567 bp, ampicillin resistance) encoding the piggyBac transposase for transgenesis applications. Supplied in trans with ITR-flanked donor vectors to catalyze precise cut-and-paste integration at TTAA target sites in Strongyloides and other piggyBac-compatible hosts (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 ℃.