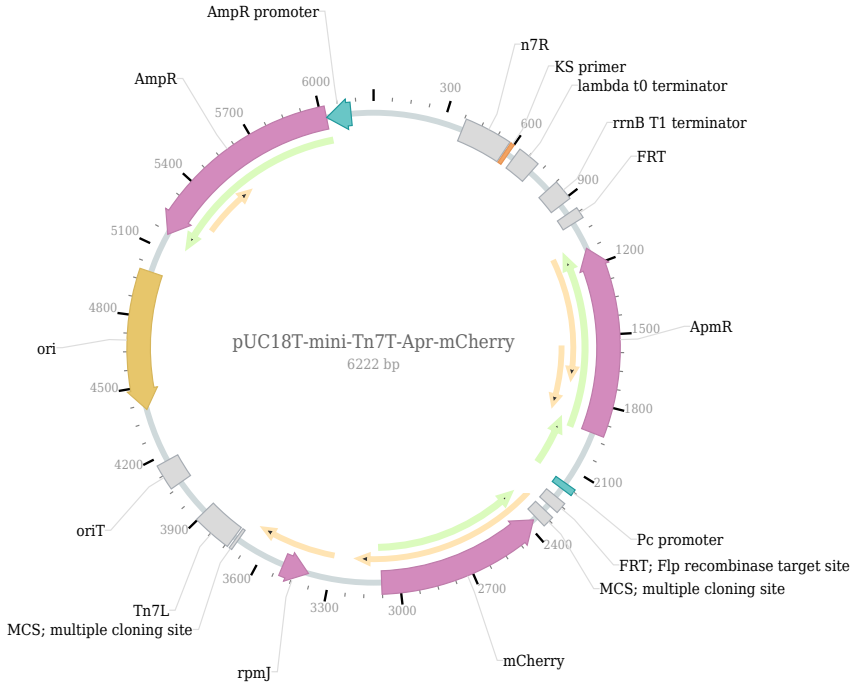
pUC18T-mini-Tn7T-Apr-mCherry

Vector ID	V015964
Antibiotic Resistance	Apramycin
Length	6222 bp
Vector Type	Cloning vector

Product Information

Replication Origin	ori
Source/Author	Ducas-Mowchun K, De Silva PM, Crisostomo L, Fernando DM
Promoter	Pc
Growth Temperature	37℃
Comment	pUC18T-mini-Tn7T-Apr-mCherry is a suicide delivery vector for Tn7-mediated chromosomal tagging of Gram-negative bacteria. Its mini-Tn7 element, bounded by Tn7L/Tn7R ends, carries an FRT-flanked apramycin-resistance cassette (aac(3)-IV) plus an mCherry red reporter. TnsABCD supplied in trans inserts the cargo as a single copy at attTn7; Flp excises FRT-flanked markers for unmarked strains. Outside the element sit a high-copy ColE1/pUC ori (non-replicative in hosts such as A. baumannii), an IncP oriT, and bla.

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 ℃.