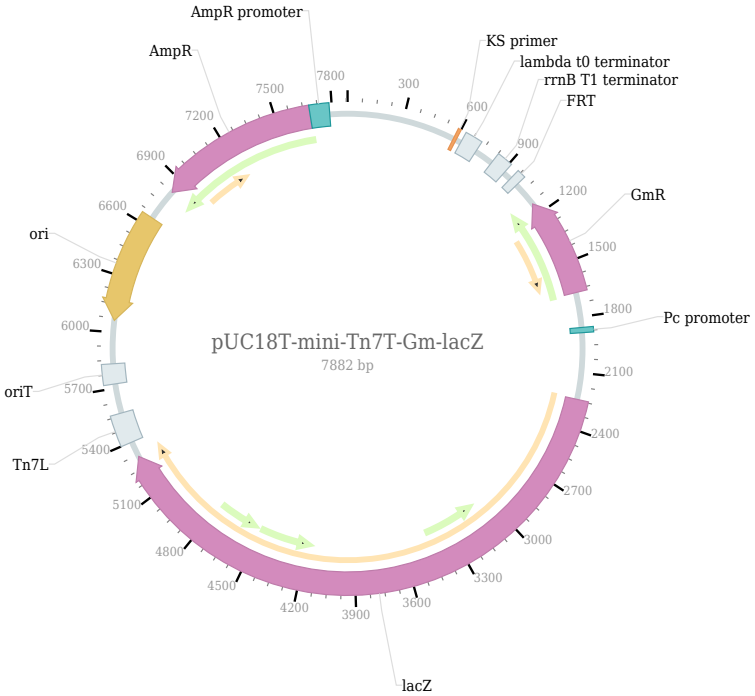
pUC18T-mini-Tn7T-Gm-lacZ

Vector ID	V014874
Antibiotic Resistance	Ampicillin, Gentamicin
Length	7882 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	Pc
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	This is a ColE1-based suicide mini-Tn7 delivery vector built on pUC18T backbone for Gram-negative bacteria. Its mini-Tn7T segment carries dual transcriptional terminators, FRT-flanked gentamicin resistance marker and promoterless lacZ reporter gene. With helper pTNS1, it inserts site-specifically at attTn7 downstream glmS to create single-copy chromosomal transcriptional lacZ fusions. Flp recombinase can excise the gentamicin cassette post-transposition to generate unmarked reporter strains.

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 ℃.