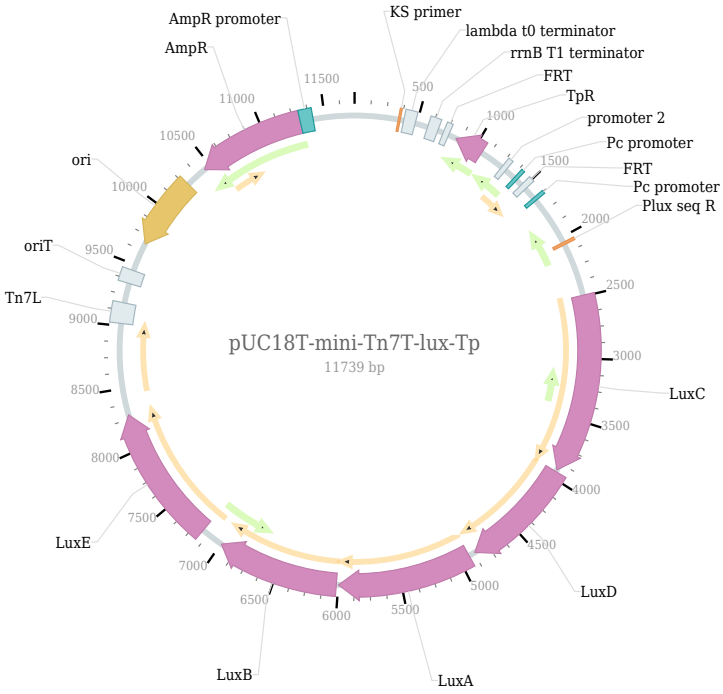
pUC18T-mini-Tn7T-lux-Tp

Vector ID	V002410
Antibiotic Resistance	Ampicillin
Length	11739 bp
Vector Type	Reporter vector

Product Information

Replication Origin	ori
Source/Author	Damron FH, McKenney ES, Barbier M, Liechti GW, Schweizer HP, Goldberg JB.
Promoter	Pc
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pUC18T-mini-Tn7T-lux-Tp is a mobilizable mini-Tn7 delivery vector carrying the Photorhabdus luminescens luxCDABE bioluminescence operon with trimethoprim resistance. Inserts a single copy at the conserved attTn7 site downstream of glmS in Gram-negative chromosomes for bioluminescence tracking and single-copy promoter-lux reporter assays (Damron et al. 2013).

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 ℃.