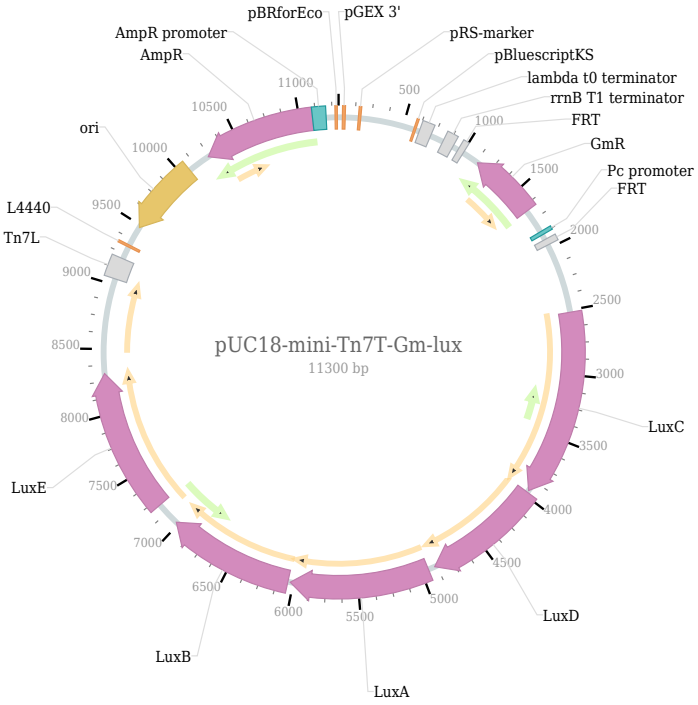
pUC18-mini-Tn7T-Gm-lux

Vector ID	V006792
Antibiotic Resistance	Gentamicin
Length	11300 bp
Vector Type	Bacterial Expression

Product Information

Replication Origin	ori
Copy Number	High Copy
Promoter	Pc
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pUC18-mini-Tn7T-Gm-lux is a transposon vector that stably integrates the lux gene into the bacterial strain genome via mini-Tn7 mediation. Positive strains are selected for Gm resistance, enabling dynamic, real-time monitoring of bioluminescence in the bacterial strain.

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 ℃.