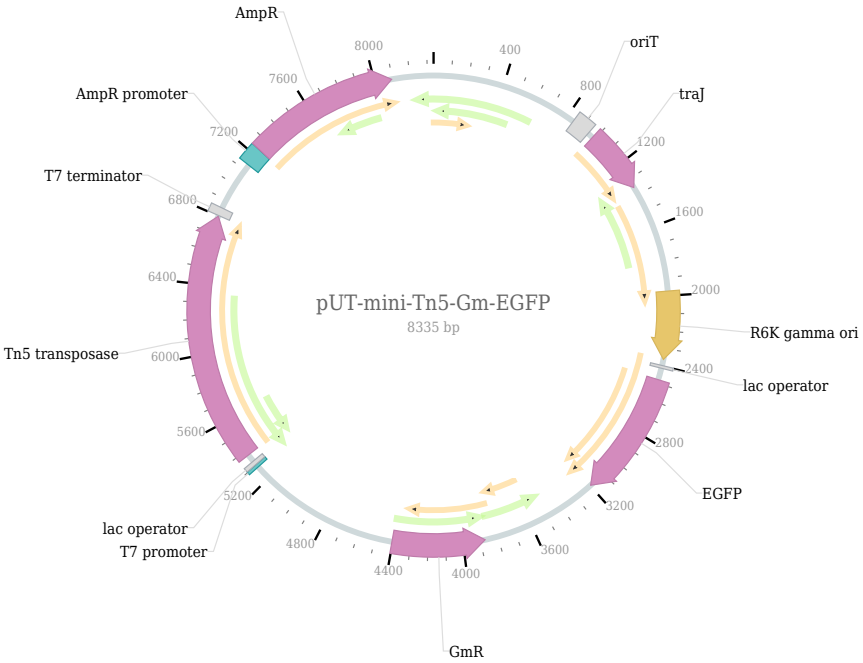
pUT-mini-Tn5-Gm-EGFP

Vector ID	V013467
Antibiotic Resistance	Ampicillin
Length	8335 bp
Vector Type	Gene knockout
Host	E. coli

Product Information

Replication Origin	R6K γ ori
Copy Number	Low
Growth Strain(s)	DH5α-λpir
Growth Temperature	37℃
Comment	pUT-mini-Tn5-Gm-EGFP is a mini-Tn5 transposon delivery vector of the de Lorenzo system: R6K-based suicide plasmid with RP4 oriT mobilizing a mini-Tn5 element carrying gentamicin resistance and EGFP. Random chromosomal insertion yields stable single-copy fluorescent tagging of Gram-negative bacteria (de Lorenzo et al. 1990).

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 ℃.