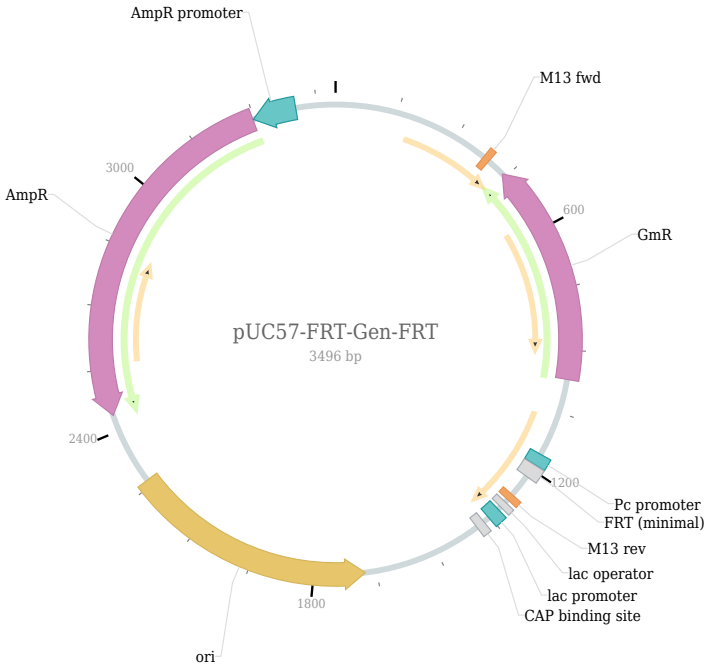
pUC57-FRT-Gen-FRT

Vector ID	V014037
Antibiotic Resistance	Ampicillin
Length	3496 bp
Vector Type	Gene knockout
Host	E. coli

Product Information

Replication Origin	ori
Promoter	Pc
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pUC57-FRT-Gen-FRT plasmid is a specialized cloning vector derived from the common pUC57 backbone. It features FRT sites flanking a gene (e.g., a zeocin resistance marker), which allows for FLP recombinase-mediated excision of the flanked sequence. This system is used for genetic manipulation, such as constructing gene knockouts in bacmid systems.

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 ℃.