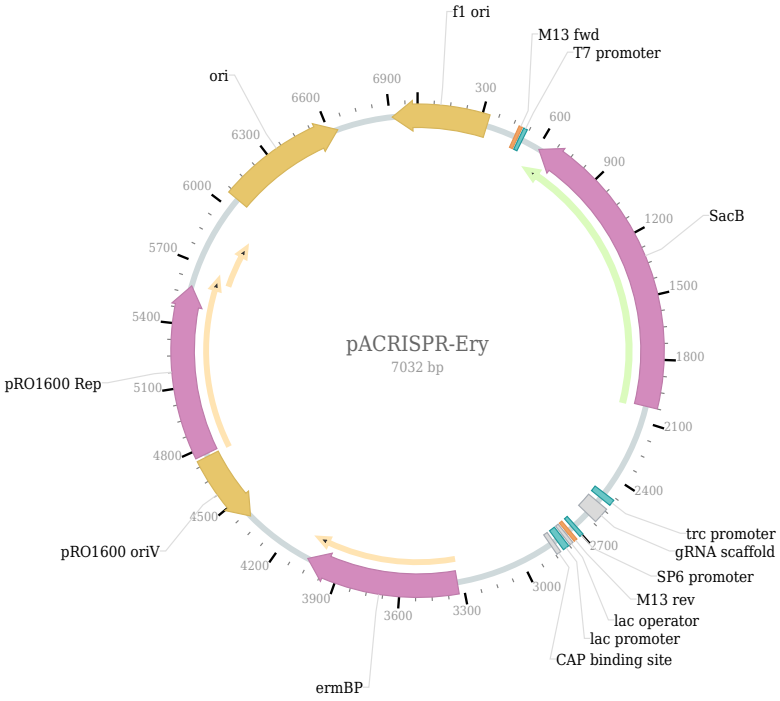
pACRISPR-Ery

Vector ID	V015087
Antibiotic Resistance	Erythromycin
Length	7032 bp
Vector Type	Genome editing
Host	Pseudomonas aeruginosa

Product Information

Replication Origin	ori
Promoter	trc
5' Primer	G34042-F3
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pACRISPR-Ery is the erythromycin-resistant sgRNA plasmid of the pCasPA/pACRISPR CRISPR-Cas9 system for Pseudomonas aeruginosa. A trc promoter drives the gRNA scaffold; BsaI and XbaI/XhoI sites enable spacer and homology-arm assembly. Paired with pCasPA-encoded Cas9 and λ-Red recombinase, it achieves scarless deletion or insertion, with sacB for curing.

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 ℃.