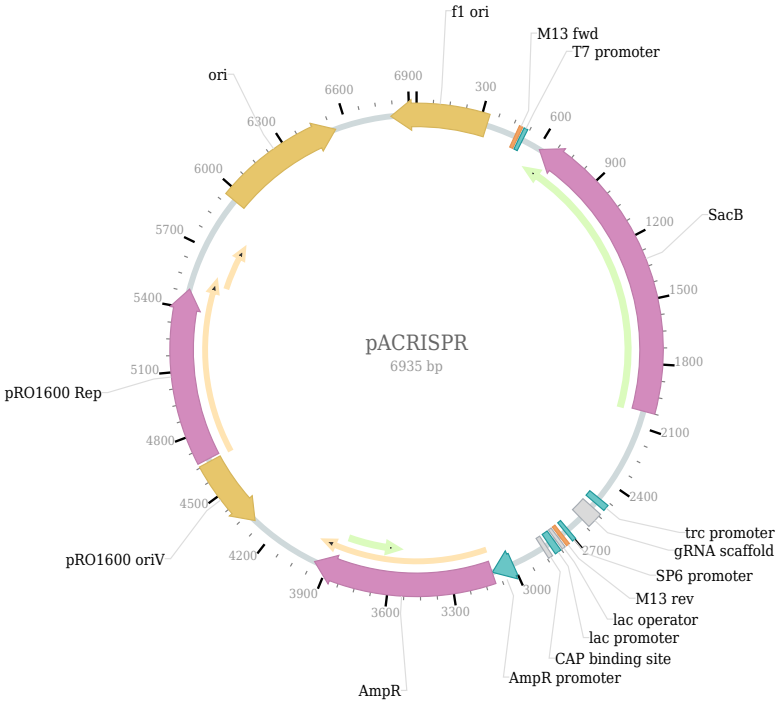
pACRISPR

载体编号 Vector ID	V012360
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6935 bp
载体类型 Vector Type	CRISPR, Synthetic Biology

产品信息

复制子 Replication Origin	ori
启动子 Promoter	trc
培养菌株 Growth Strain(s)	Stbl3
备注 Comment	pACRISPR is the sgRNA-expressing shuttle plasmid of the two-plasmid CRISPR-Cas9 editing toolkit pCasPA/pACRISPR tailored for Pseudomonas aeruginosa. Its sgRNA transcription is driven by the strong constitutive trc promoter, and it contains BsaI sites for spacer cloning plus XbaI/XhoI sites to assemble homologous repair templates. Equipped with broad-host replicon mSF, carbenicillin resistance bla and counter-selectable sacB, it works with pCasPA to achieve scarless gene deletion, insertion and multiplex editing. After genome modification, the sacB marker enables straightforward plasmid curing on sucrose-containing plates.

质粒图谱



复溶方法

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 ℃.