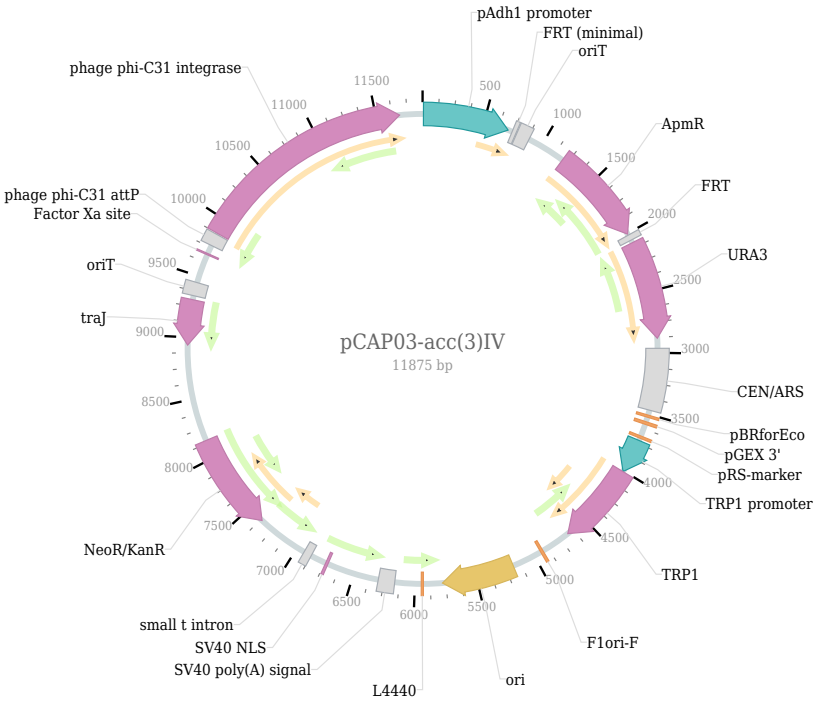
pCAP03-acc(3)IV

载体编号 Vector ID	V007536
抗性 Antibiotic Resistance	Kanamycin
长度 Length	11875 bp
载体类型 Vector Type	Bacterial Expression, Yeast Expression

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	TRP1, URA3 ; apramycin
拷贝数 Copy Number	High Copy
启动子 Promoter	TRP1
克隆方法 Cloning Method	Restriction Enzyme
培养菌株 Growth Strain(s)	DH10B
备注 Comment	pCAP03-acc(3)IV is a yeast-E. coli-Streptomyces shuttle vector optimized for high-efficiency TAR cloning to directly capture large microbial biosynthetic gene clusters in Saccharomyces cerevisiae. It carries TRP1 for positive selection, URA3 for 5-FOA counter-selection against NHEJ recircularization, and acc(3)IV for apramycin resistance and convenient linearization, enabling streamlined capture and heterologous expression.

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 ℃.