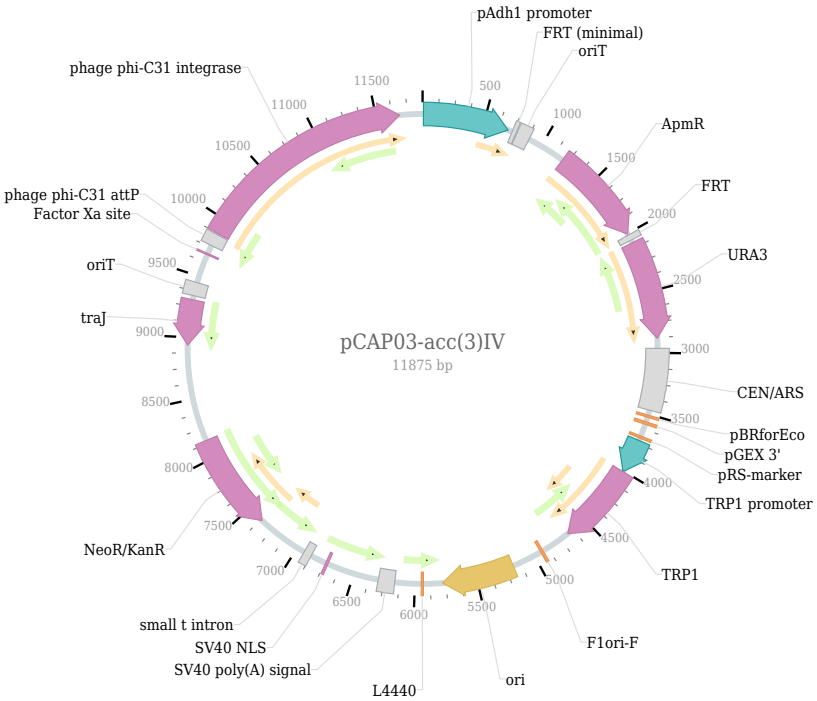
pCAP03-acc(3)IV

Vector ID	V007536
Antibiotic Resistance	Kanamycin
Length	11875 bp
Vector Type	Bacterial Expression, Yeast Expression

Product Information

Replication Origin	ori
Selection Marker	TRP1, URA3 ; apramycin
Copy Number	High Copy
Promoter	TRP1
Cloning Method	Restriction Enzyme
Growth Strain(s)	DH10B
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.

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 ℃.