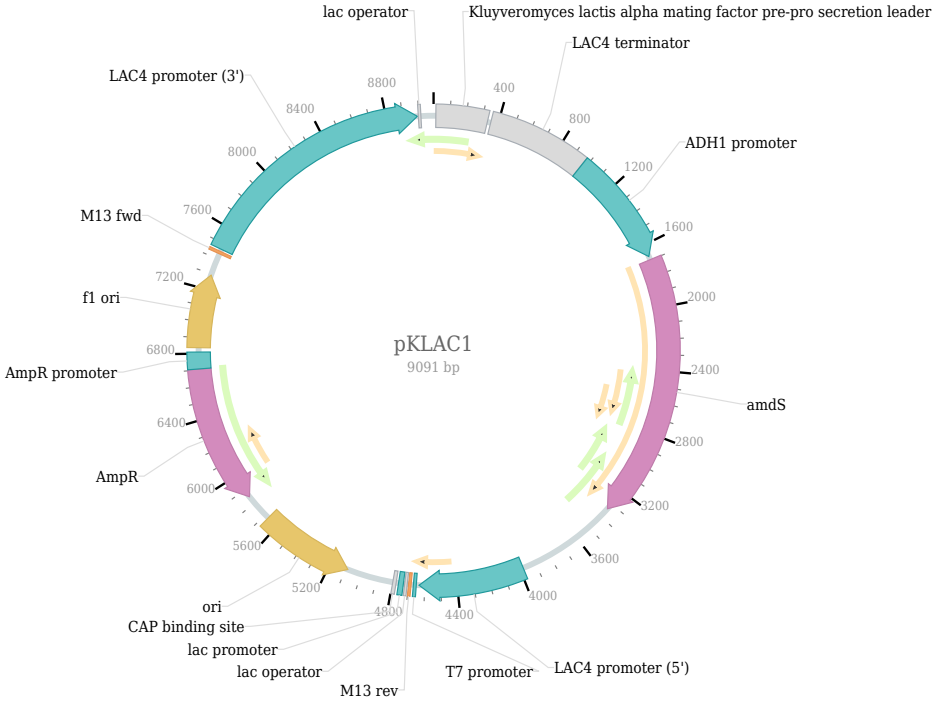
pKLAC1

Vector ID	V010259
Antibiotic Resistance	Ampicillin
Length	9091 bp
Vector Type	Yeast Plasmids

Product Information

Replication Origin	ori
Source/Author	Colussi PA, Taron CH.
Copy Number	High copy number
Promoter	LAC4 (3')
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pKLAC1 is a Kluyveromyces lactis expression vector that integrates in single copy at the chromosomal LAC4 locus after SacII linearization. Genes cloned downstream of the alpha-mating-factor secretion leader are efficiently secreted, while the amdS marker enables acetamide-based selection in yeast; AmpR and a pMB1 ori support E. coli propagation.

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 ℃.