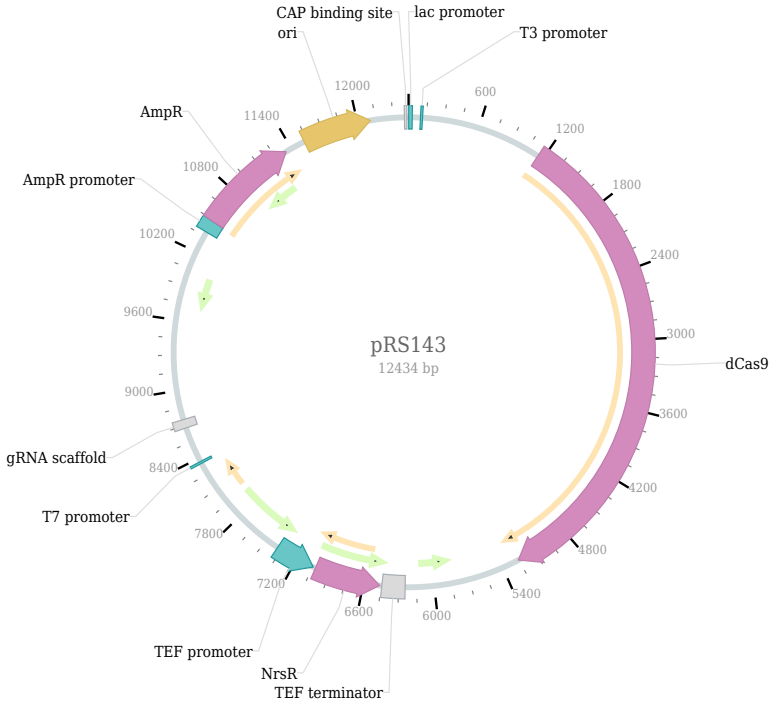
pRS143

Vector ID	V017177
Antibiotic Resistance	Ampicillin
Length	12434 bp
Vector Type	Gene knockout
Host	Yeast

Product Information

Replication Origin	ori
Promoter	TEF
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pRS143 is a CRISPR interference (CRISPRi) plasmid for gene repression in Candida albicans. It expresses catalytically dead Cas9 (dCas9) from the TEF promoter and confers nourseothricin resistance (NrsR) for selection. Contains sgRNA cloning sites, NEUT5L integration, and AmpR for bacterial use.

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 ℃.