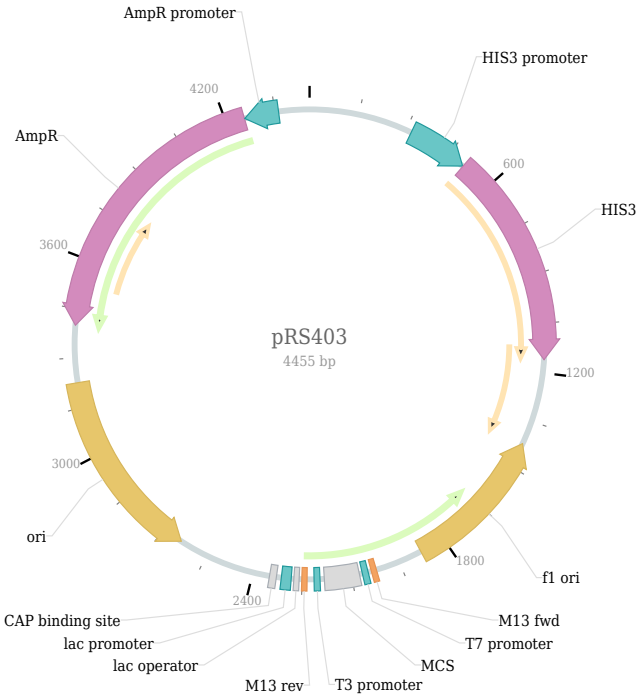
pRS403

Vector ID	V010227
Antibiotic Resistance	Ampicillin
Length	4455 bp
Vector Type	Yeast Plasmids
Host	Yeast

Product Information

Replication Origin	ori
Source/Author	Sikorski RS, Hieter P.
Copy Number	High copy number
Promoter	HIS3
5' Primer	M13 fwd
3' Primer	M13 rev
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pRS403 is a 4455 bp yeast integrating shuttle vector (YIp) derived from pBluescript II, carrying the Saccharomyces cerevisiae HIS3 selectable marker and an AmpR marker for E. coli propagation. Lacking CEN/ARS, it cannot replicate autonomously in yeast and must integrate into the host genome via homologous recombination at the HIS3 locus to be stably maintained.

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 ℃.