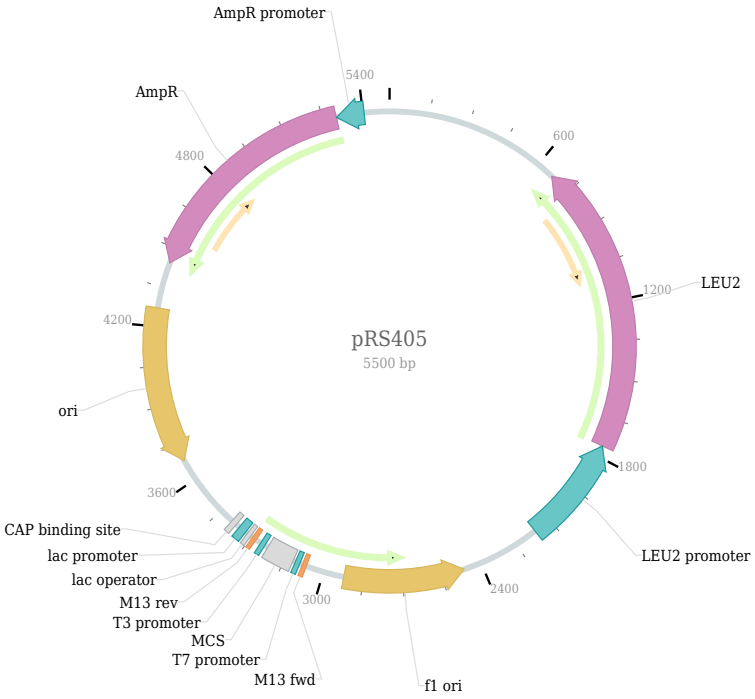
pRS405

Vector ID	V010225
Antibiotic Resistance	Ampicillin
Length	5500 bp
Vector Type	Yeast Plasmids
Host	Yeast

Product Information

Replication Origin	ori
Source/Author	Sikorski RS, Hieter P.
Copy Number	High copy number
Promoter	LEU2
5' Primer	M13 fwd
3' Primer	M13 rev
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	Useful for chromosomal integration of a device into yeast strains. This will insert the vector at the specific locus of the LEU2 gene. To be used in conjunction with leucine drop-out media for positive selection of transformed cells. Transformation using this vector requires linearization of the plasmid by cutting with BstEII.

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 ℃.