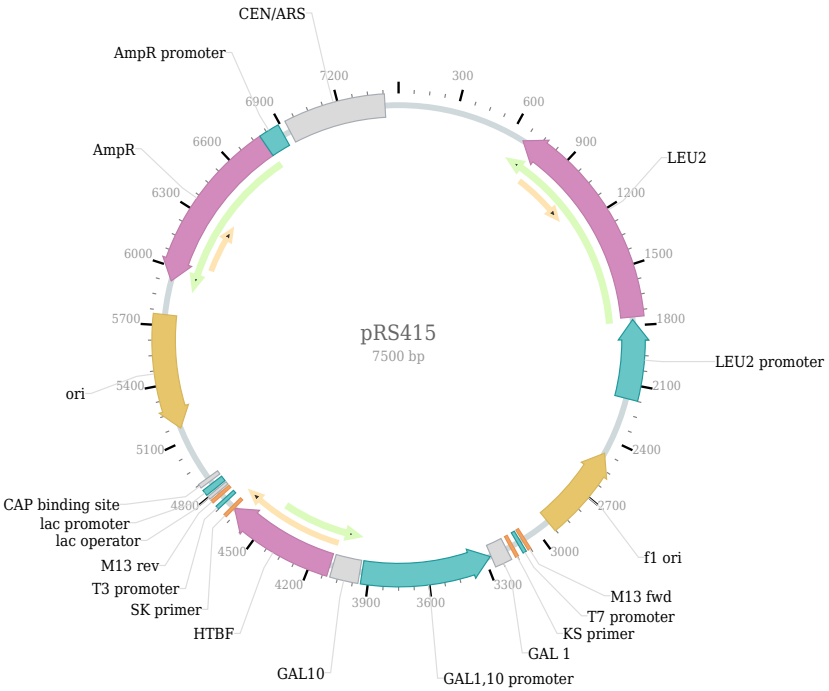
pRS415

Vector ID	V010221
Antibiotic Resistance	Ampicillin
Length	7500 bp
Vector Type	Yeast Plasmids
Host	Yeast

Product Information

Replication Origin	ori
Source/Author	Sikorski RS, Hieter P.
Copy Number	High copy number
Promoter	GAL1,10
5' Primer	M13 fwd
3' Primer	M13 rev
Growth Strain(s)	DH10B
Comment	This is a 7500 bp yeast shuttle vector, pRS415, designed for inducible gene expression and auxotrophic selection. It features the GAL1,10 promoter for galactose-inducible transcription and the LEU2 gene for leucine prototrophy in yeast. The vector also contains a CEN/ARS sequence for stable maintenance, a bacterial ori, and an AmpR gene for propagation and selection in E. coli.

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 ℃.