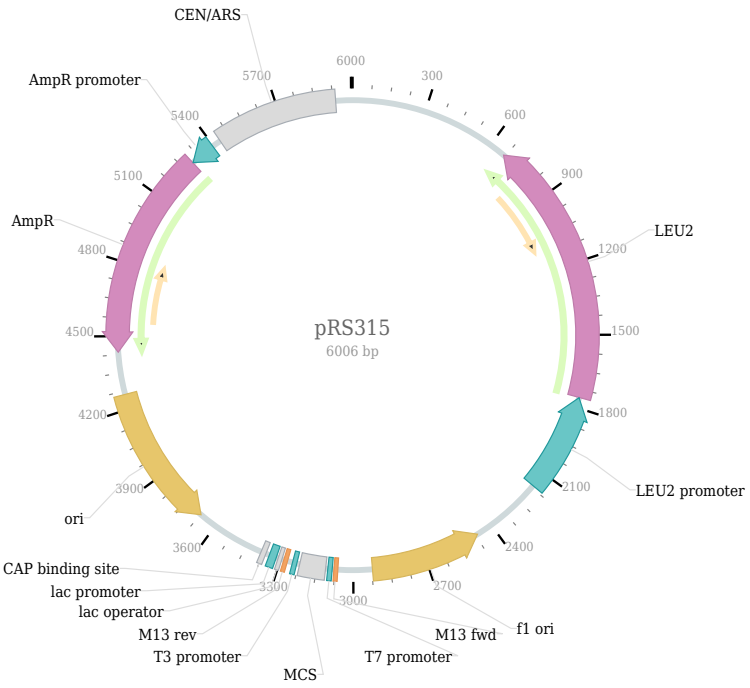
pRS315

Vector ID	V010229
Antibiotic Resistance	Ampicillin
Length	6006 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	pRS315 is a centromeric yeast-E. coli shuttle vector. It contains a LEU2 selectable marker for yeast, an AmpR gene for bacteria, and a CEN/ARS sequence for stable, low-copy maintenance in yeast. It is widely used for cloning and genetic studies.

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 ℃.