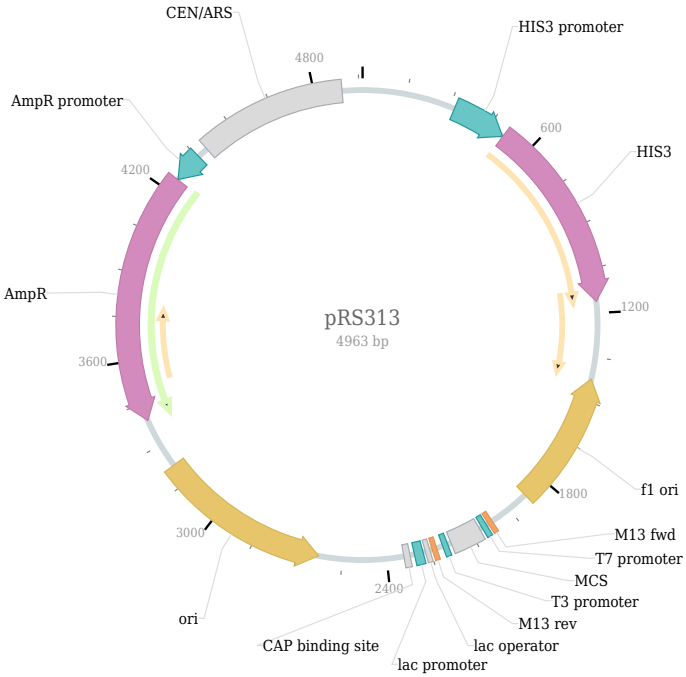
pRS313

载体编号 Vector ID	V010231
抗性 Antibiotic Resistance	Ampicillin
长度 Length	4963 bp
载体类型 Vector Type	Yeast Plasmids
宿主 Host	Yeast

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Sikorski RS, Hieter P.
拷贝数 Copy Number	High copy number
启动子 Promoter	HIS3
5' 引物 5' Primer	M13 fwd
3' 引物 3' Primer	M13 rev
培养菌株 Growth Strain(s)	DH10b
培养温度 Growth Temperature	37℃
备注 Comment	pRS313 is a yeast-E. coli shuttle vector belonging to the widely used pRS series. It is a centromere plasmid (YCp) containing the CEN6/ARSH4 sequence, which allows for stable, low-copy-number replication in Saccharomyces cerevisiae. Its selectable marker is the HIS3 gene, enabling growth in histidine-deficient media. The vector is based on a pBluescript backbone, facilitating high-copy propagation in E. coli(selected with ampicillin), and features a multiple cloning site within the lacZα peptide for blue-white screening.

质粒图谱



复溶方法

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 ℃.