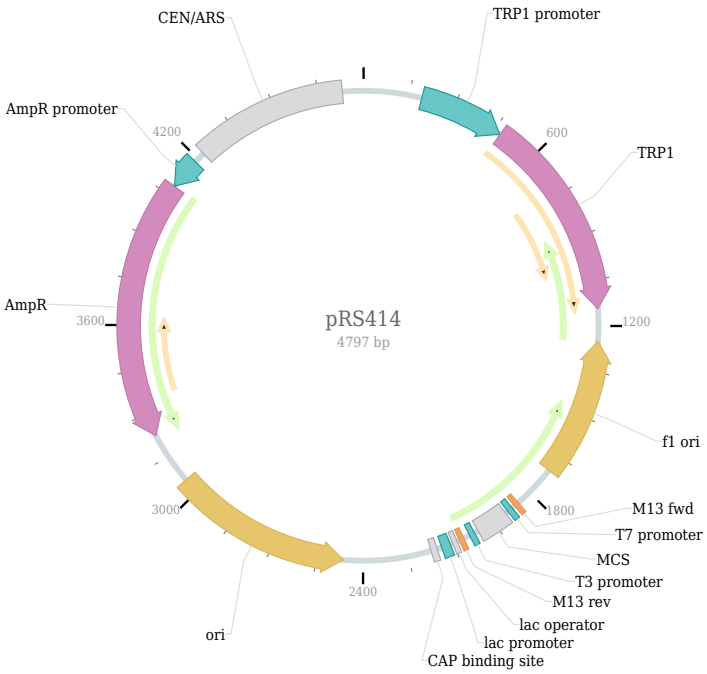
pRS414

载体编号 Vector ID	V010222
抗性 Antibiotic Resistance	Ampicillin
长度 Length	4797 bp
载体类型 Vector Type	Yeast Plasmids

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Sikorski RS, Hieter P.
拷贝数 Copy Number	Low copy number
启动子 Promoter	TRP1
5' 引物 5' Primer	M13 fwd
3' 引物 3' Primer	M13 rev
培养菌株 Growth Strain(s)	Top10
培养温度 Growth Temperature	37℃
备注 Comment	pRS414 is a member of the pRS series of yeast shuttle vectors, used for efficient DNA shuttle operations between Saccharomyces cerevisiae and Escherichia coli. Derived from pBluescriptII KS+, pRS414 is a low-copy-number centromeric plasmid (YCp, Yeast Centromeric Plasmid) and is maintained at an extremely low level in yeast cells—approximately one copy per haploid genome. pRS414 carries the TRP1 gene as a selection marker for yeast nutritional deficiency.

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 ℃.