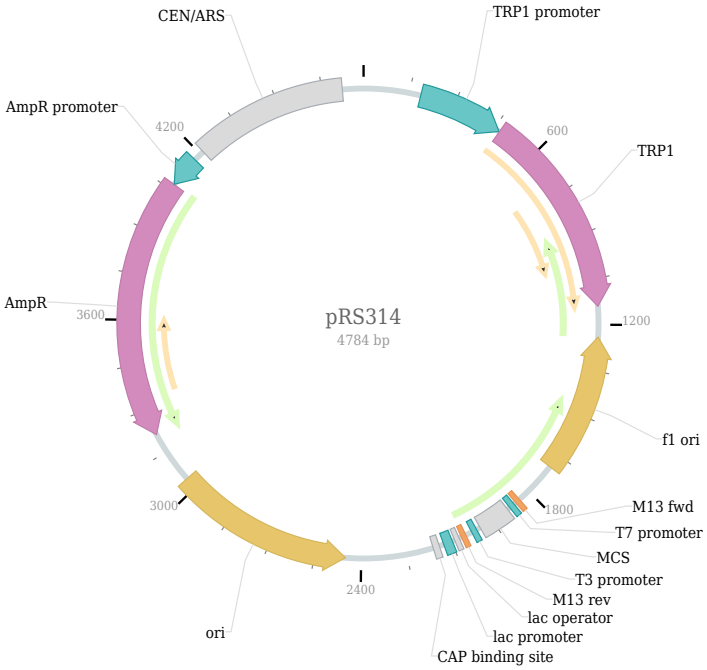
pRS314

Vector ID	V010230
Antibiotic Resistance	Ampicillin
Length	4784 bp
Vector Type	Yeast Plasmids

Product Information

Replication Origin	ori
Source/Author	Sikorski RS, Hieter P.
Copy Number	High copy number
Promoter	TRP1
5' Primer	M13 fwd
3' Primer	M13 rev
Comment	pRS314 is a CEN/ARS centromeric shuttle vector of the pRS300 series (Sikorski & Hieter 1989): TRP1 marker on a pBluescript backbone with MCS and lacZalpha. Maintained at low copy (1-2 per cell) for stable, near-native gene expression and complementation analysis in S. cerevisiae.

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 ℃.