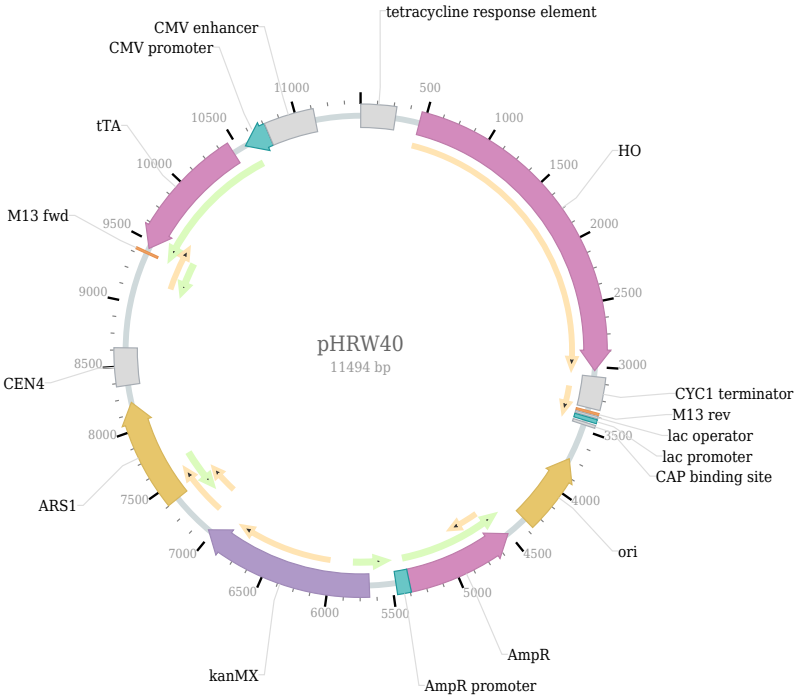
pHRW40

Vector ID	V014683
Antibiotic Resistance	Ampicillin
Length	11494 bp
Vector Type	Protein expression
Host	Yeast

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	CMV
Growth Strain(s)	stbl3
Growth Temperature	37℃
Comment	pHRW40 is an improved HyPr yeast vector modified from pHCT2 with the nptII G418-resistance marker for strain screening. It carries a doxycycline-inducible HO gene to trigger yeast mating-type switching for iterative interspecies hybridization via the iHyPr method. Matched with Zeocin-resistant pHRW32, it enables seamless multi-step crosses without extra plasmid removal during six-species hybrid construction.

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 ℃.