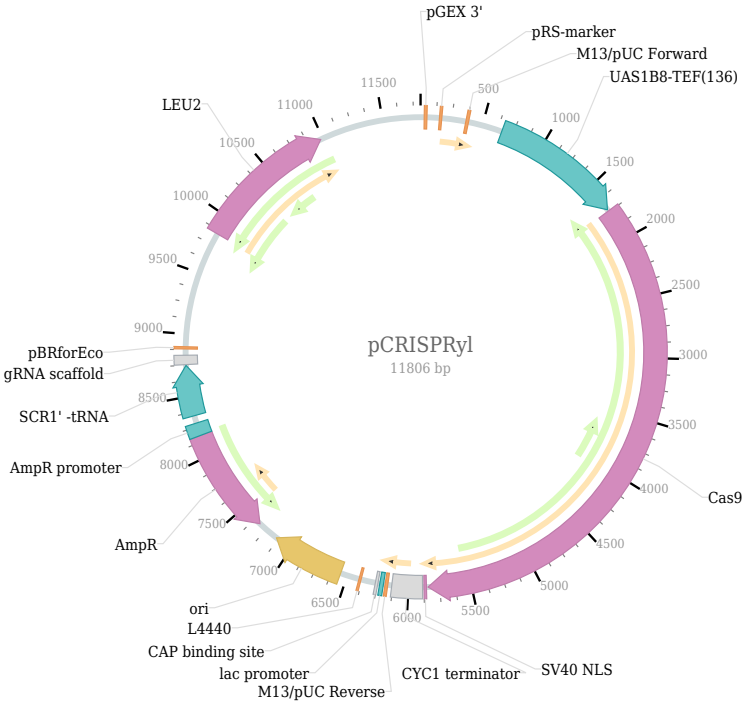
pCRISPRyl

Vector ID	V012188
Antibiotic Resistance	Ampicillin
Length	11806 bp
Vector Type	Yeast Expression, CRISPR, Synthetic Biology

Product Information

Replication Origin	ori
Source/Author	Ian Wheeldon
Selection Marker	LEU2
Copy Number	High Copy
Promoter	SCR1'-tRNA
Cloning Method	Gibson Cloning
5' Primer	GCATTTATCAGGGTTATTGTCTCATGAG
3' Primer	CACGAGCAGCTTGCCTATG
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The plasmid pCRISPRyl is a CRISPR/Cas9 vector designed for Yarrowia lipolytica, which utilizes an AvrII restriction site for the insertion of the sgRNA expression cassette. The selection marker is LEU2.

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 ℃.