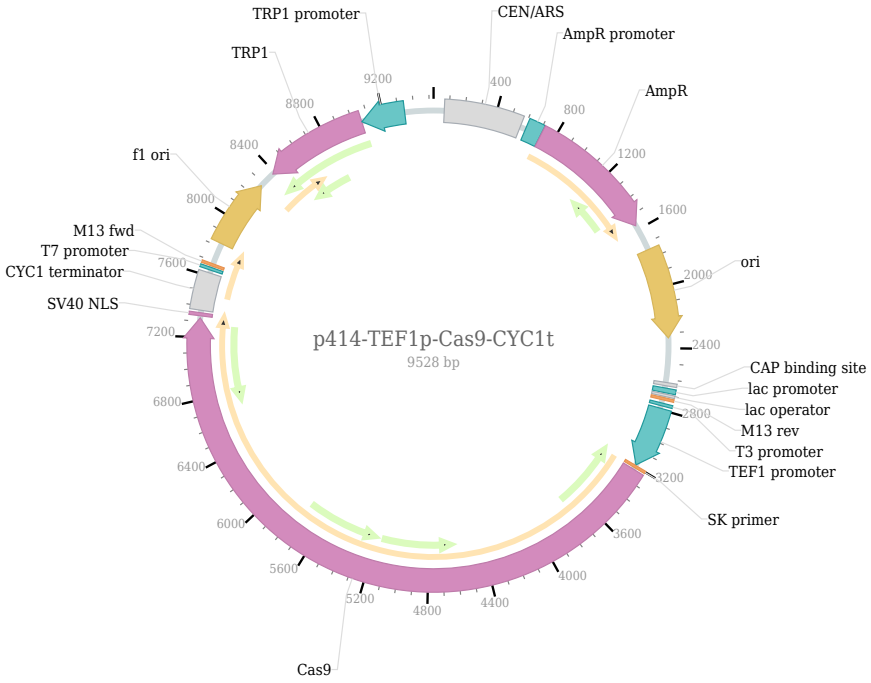
p414-TEF1p-Cas9-CYC1t

Vector ID	V012314
Antibiotic Resistance	Ampicillin
Length	9528 bp
Vector Type	CRISPR Plasmids
Host	Yeast

Product Information

Replication Origin	ori
Source/Author	DiCarlo JE, Norville JE, Mali P, Rios X, Aach J, Church GM.
Copy Number	High copy number
Promoter	TEF1
Growth Temperature	37℃
Comment	This is a yeast centromeric plasmid (CEN/ARS) for stable, low-copy Cas9 expression in S. cerevisiae. It features the strong constitutive TEF1 promoter driving the S. pyogenesCas9 gene, terminated by CYC1t. The TRP1 marker allows for selection in tryptophan-deficient media.

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 ℃.