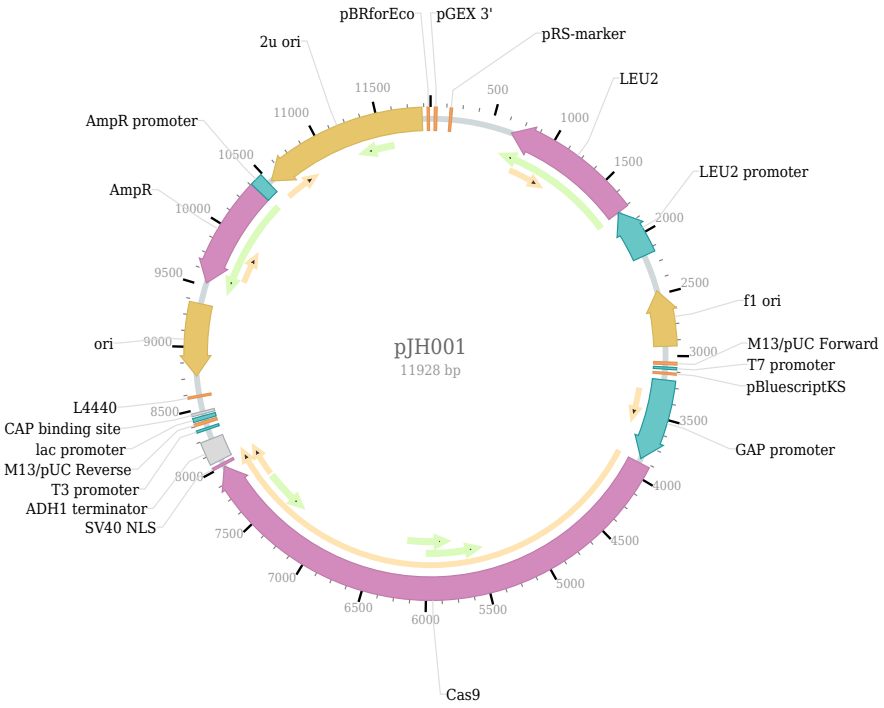
pJH001

Vector ID	V010718
Antibiotic Resistance	Ampicillin
Length	11928 bp
Vector Type	Yeast Expression, CRISPR
Host	Yeast

Product Information

Replication Origin	ori
Selection Marker	LEU2
Copy Number	High Copy
Promoter	GAP
Growth Strain(s)	DH10B
Comment	pJH001 is a high-copy yeast Cas9 expression plasmid carrying the LEU2 nutritional selection marker. It drives constitutive and stable expression of Cas9 nuclease in Saccharomyces cerevisiae, providing the core nuclease activity for targeted genomic double-strand breaks. When co-transformed with pT040 (V000583), it enables efficient CRISPR-mediated gene editing including knockout, knock-in, and point mutation.

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 ℃.