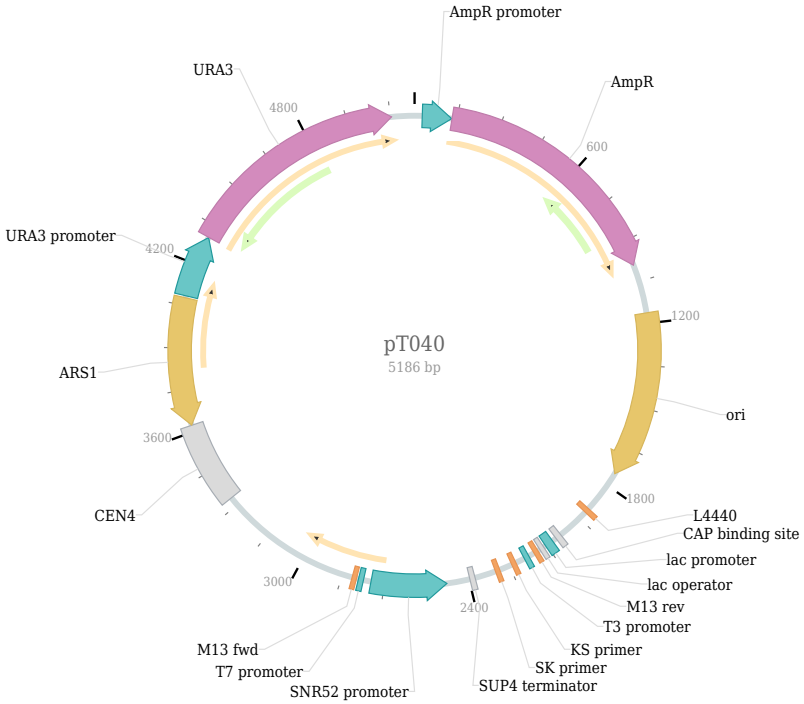
pT040

Vector ID	V000583
Antibiotic Resistance	Ampicillin
Length	5186 bp
Vector Type	Yeast Expression, CRISPR

Product Information

Replication Origin	ori
Selection Marker	URA3
Copy Number	High Copy
Promoter	SNR52
Cloning Method	Restriction Enzyme
5' Primer	T3
Comment	pT040 is a yeast sgRNA expression plasmid containing the URA3 nutritional selection marker. It allows rapid cloning and robust expression of user-defined 20-nt sgRNA targeting sequences under a strong promoter. Together with pJH001 (V010718), it directs Cas9 to specific genomic loci, triggering targeted cleavage and facilitating precise editing via endogenous homologous recombination in yeast.

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 ℃.