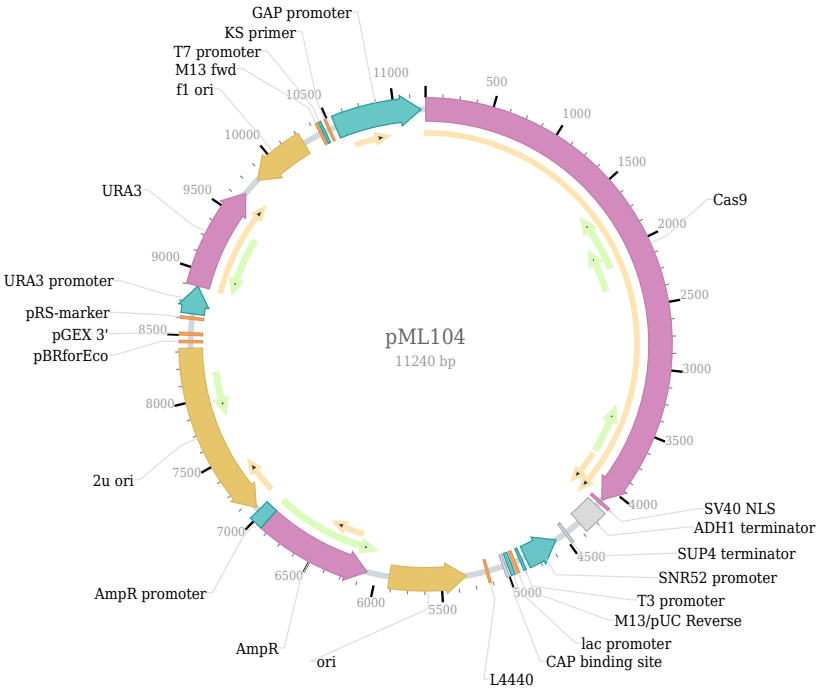
pML104

Vector ID	V001375
Antibiotic Resistance	Ampicillin
Length	11240 bp
Vector Type	Yeast Expression, CRISPR
Host	Yeast

Product Information

Replication Origin	ori
Selection Marker	URA3
Copy Number	High Copy
Promoter	GAP
Cloning Method	Restriction Enzyme
5' Primer	T3
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pML104 is a single-plasmid CRISPR-Cas9 genome editing vector for Saccharomyces cerevisiae. It carries the URA3 selectable marker, enables integrated expression of Cas9 and sgRNA, supports rapid directional cloning of guide sequences, permits highly efficient marker-free genome editing, and allows convenient plasmid removal after successful editing.

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 ℃.