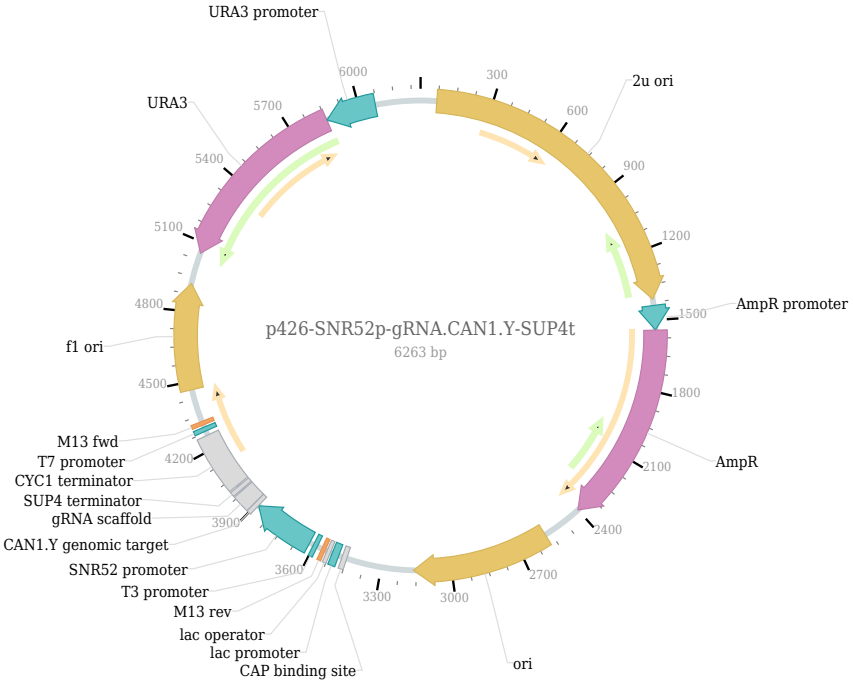
p426-SNR52p-gRNA.CAN1.Y-SUP4t

Vector ID	V012312
Antibiotic Resistance	Ampicillin
Length	6263 bp
Vector Type	CRISPR Plasmids

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	SNR52
Comment	This 2μ high-copy yeast plasmid p426-SNR52p-gRNA.CAN1.Y-SUP4t uses URA3 marker for transformant selection. It carries a Pol III transcription cassette composed of SNR52p promoter, gRNA.CAN1.Y spacer targeting yeast CAN1, and SUP4t terminator. Co-expressed with Cas9 plasmids, it guides site-specific DNA cleavage at CAN1 locus to boost homologous recombination. Its SNR52p-SUP4t framework can be refitted for custom gRNA targeting any yeast genomic site.

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 ℃.