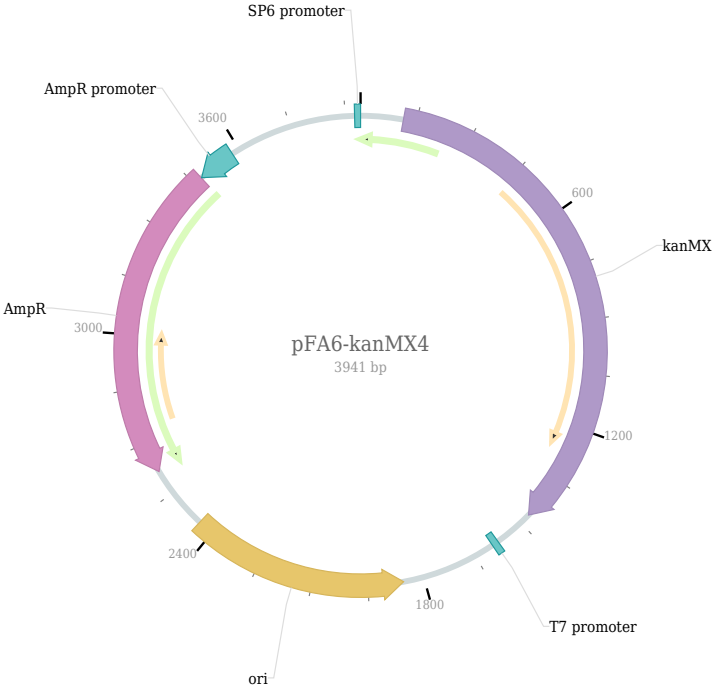
pFA6-kanMX4

Vector ID	V010318
Antibiotic Resistance	Ampicillin
Length	3941 bp
Vector Type	Yeast Plasmids
Host	Yeast

Product Information

Replication Origin	ori
Source/Author	Wach A, Brachat A, Pohlmann R, Philippsen P.
Copy Number	High copy number
Promoter	TEF
Growth Strain(s)	DH10B
Comment	pFA6-kanMX4 is the PCR template plasmid for one-step gene deletion in Saccharomyces cerevisiae. Its kanMX4 module—E. coli Tn903 kanr flanked by Ashbya gossypii TEF1 promoter/terminator—confers G418 resistance. Primers bearing 40-nt homology arms amplify the cassette; yeast homologous recombination precisely replaces the target gene.

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 ℃.