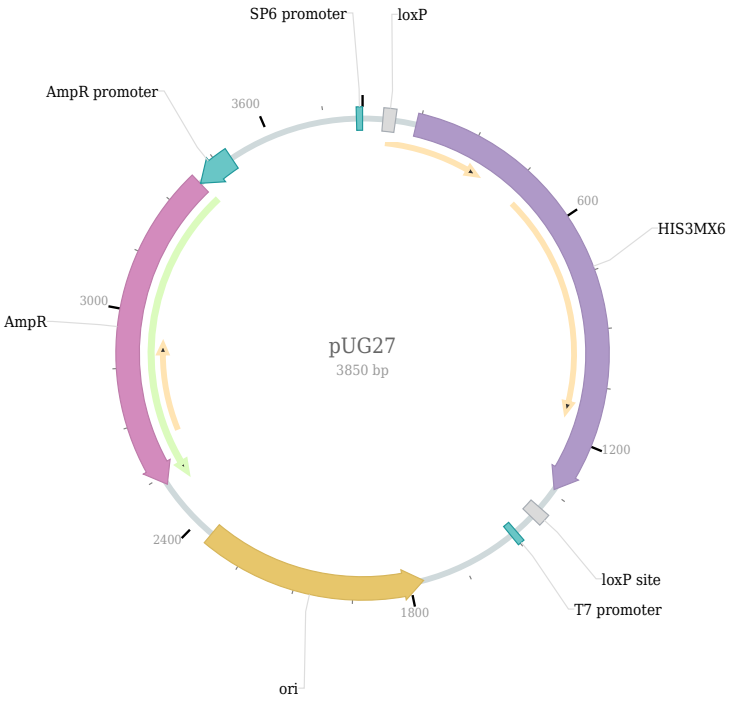
pUG27

Vector ID	V002336
Antibiotic Resistance	Ampicillin
Length	3850 bp
Vector Type	PCR template vector
Host	Yeast

Product Information

Replication Origin	ori
Source/Author	Gueldener U, Heinisch J, Koehler GJ, Voss D, Hegemann JH.
Promoter	TEF
Growth Strain(s)	Stbl3
Comment	pUG27 is a yeast loxP marker cassette template plasmid carrying loxP-flanked his5+ (Schizosaccharomyces pombe HIS5 driven by A. gossypii TEF2 promoter/terminator). PCR-amplified cassettes confer histidine prototrophy for one-step S. cerevisiae gene deletion with Cre-removable markers (Gueldener et al. 2002).

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 ℃.