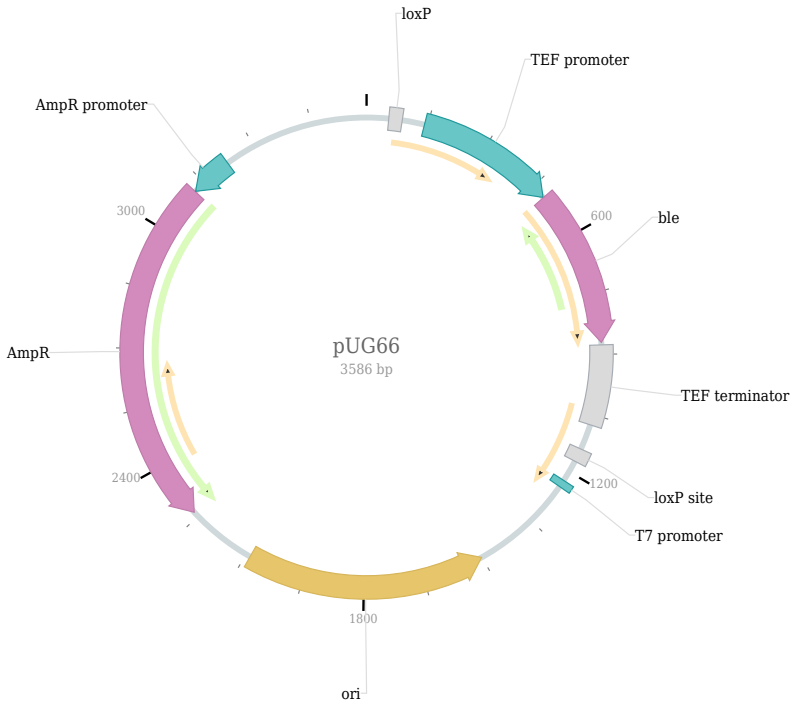
pUG66

Vector ID	V002330
Antibiotic Resistance	Ampicillin
Length	3586 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)	DH10B
Growth Temperature	37℃
Comment	pUG66 is a 3.58 kb E. coli-yeast shuttle vector used as a PCR template for gene knockouts in yeast. It contains an ampicillin resistance gene for bacterial selection and a loxP-flanked bleomycin resistance marker (Ble) for selection in yeast, which can be excised via Cre recombinase.

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 ℃.