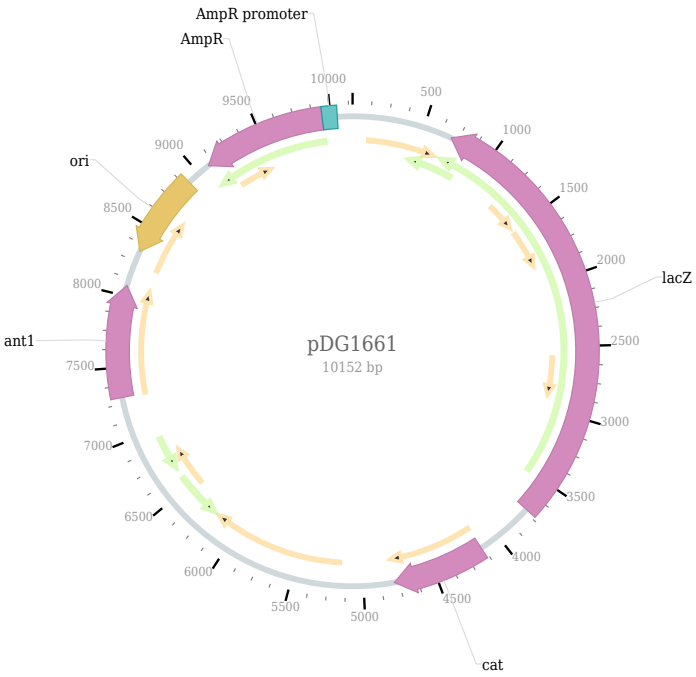
pDG1661

Vector ID	V014182
Antibiotic Resistance	Ampicillin
Length	10152 bp
Vector Type	Protein expression
Host	Bacillus subtilis

Product Information

Replication Origin	ori
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pDG1661 is an integrative plasmid vector used for genetic manipulation in Bacillus subtilis. It carries an ampicillin resistance marker for selection in E. coliand is designed for chromosomal integration via homologous recombination at the amyElocus, allowing for gene knock-in, promoter replacement, or the construction of transcriptional fusions such as lacZreporter fusions.

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 ℃.