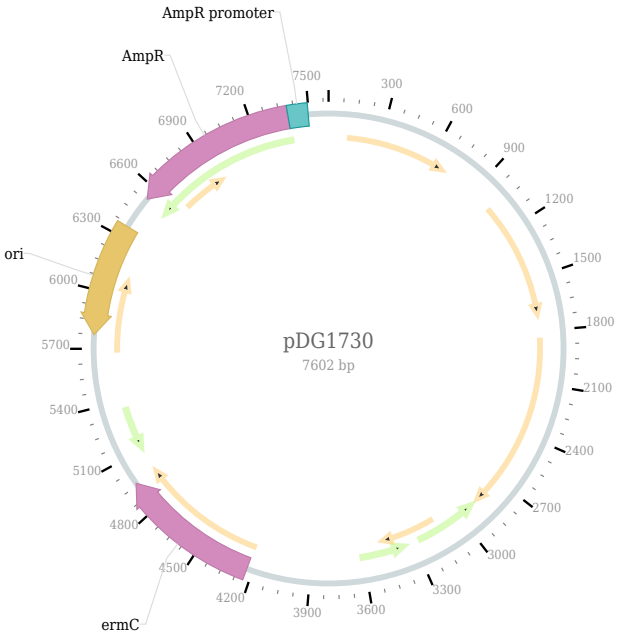
pDG1730

Vector ID	V013318
Antibiotic Resistance	Ampicillin
Length	7602 bp
Vector Type	Protein expression
Host	Bacillus subtilis

Product Information

Replication Origin	ori
Selection Marker	Ery,Spe
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pDG1730 is an integrative expression plasmid for Bacillus subtilis. Its main function is to integrate exogenous genes into the amyE locus of the genome via double-crossover homologous recombination, while disrupting the host's own amylase gene, thereby facilitating the screening of positive clones using the starch degradation phenotype.

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 ℃.