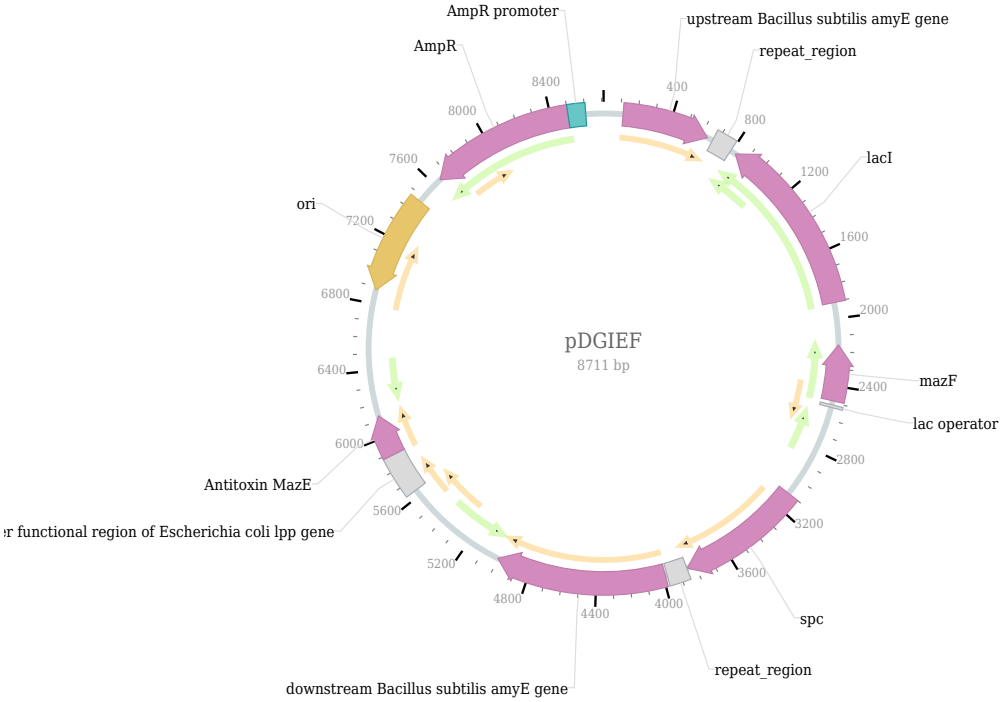
pDGIEF

Vector ID	V008011
Antibiotic Resistance	Ampicillin
Length	8711 bp
Vector Type	Delivery vector

Product Information

Replication Origin	ori
Source/Author	Zhang XZ, Yan X, Cui ZL, Hong Q, Li SP.
Copy Number	High copy number
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pDGIEF is an integrative delivery vector for Bacillus subtilis. It integrates exogenous DNA into the chromosomal amyE locus via double-crossover homologous recombination. It employs the E. coli mazF toxin gene as a counter-selectable marker, flanked by directly repeated sequences for marker-free chromosomal modifications.

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 ℃.