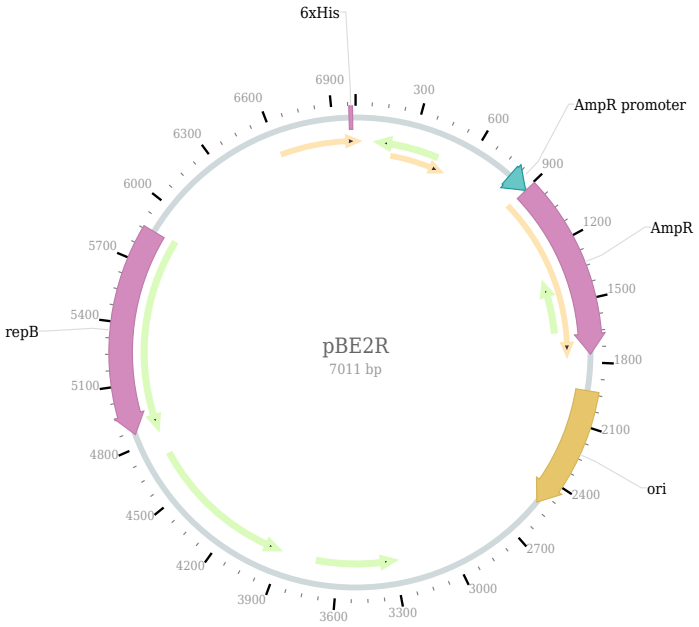
pBE2R

Vector ID	V012901
Antibiotic Resistance	Ampicillin
Length	7011 bp
Vector Type	Protein expression, Secretory expression
Host	Bacillus subtilis

Product Information

Replication Origin	ori
Selection Marker	Kan
Promoter	P43
Growth Strain(s)	Top10
Growth Temperature	30℃
Comment	The pBE2R plasmid is a shuttle vector functioning in both E. coli and Bacillus subtilis. It is designed for protein expression and secretion in B. subtilis, utilizing a strong P43 promoter and containing signal peptides for alkaline albumin enzyme, alongside an ampicillin resistance gene for selection

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 ℃.