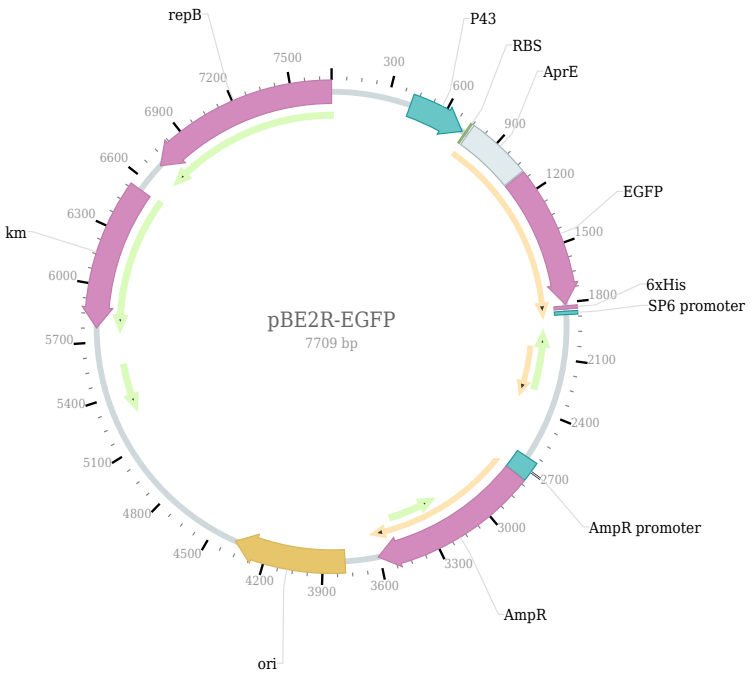
pBE2R-EGFP

Vector ID	V013147
Antibiotic Resistance	Ampicillin
Length	7709 bp
Vector Type	Protein expression, Secretory expression
Host	Bacillus subtilis

Product Information

Replication Origin	ori
Selection Marker	Kan
Promoter	SP6
Growth Strain(s)	EPI400
Growth Temperature	30℃
Comment	pBE2R-EGFP is a prokaryotic shuttle vector expressing EGFP under the control of the P43 constitutive promoter. It serves to label target bacteria within the gut, enabling tracking of biofilm formation and dissemination processes, thereby facilitating quantification of fragile prebiotic microbial community dynamics.

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 ℃.