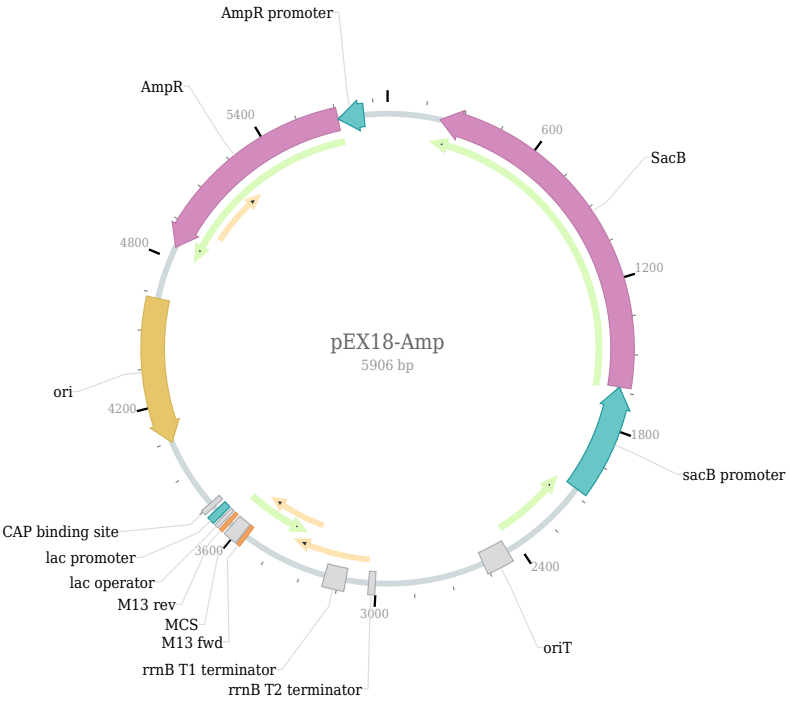
pEX18-Amp

Vector ID	V014987
Antibiotic Resistance	Ampicillin
Length	5906 bp
Vector Type	Genome editing
Host	E. coli

Product Information

Replication Origin	ori
Selection Marker	SacB
Promoter	sacB
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pEX18-Amp, acting as a suicide plasmid, knocked out the Lon gene in Pseudomonas aeruginosa via homologous recombination. This was combined with gentamicin screening and sacB reverse screening to construct a nutritionally deficient mutant, thereby validating the regulatory relationship between the Lon protease and Hfq.

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 ℃.