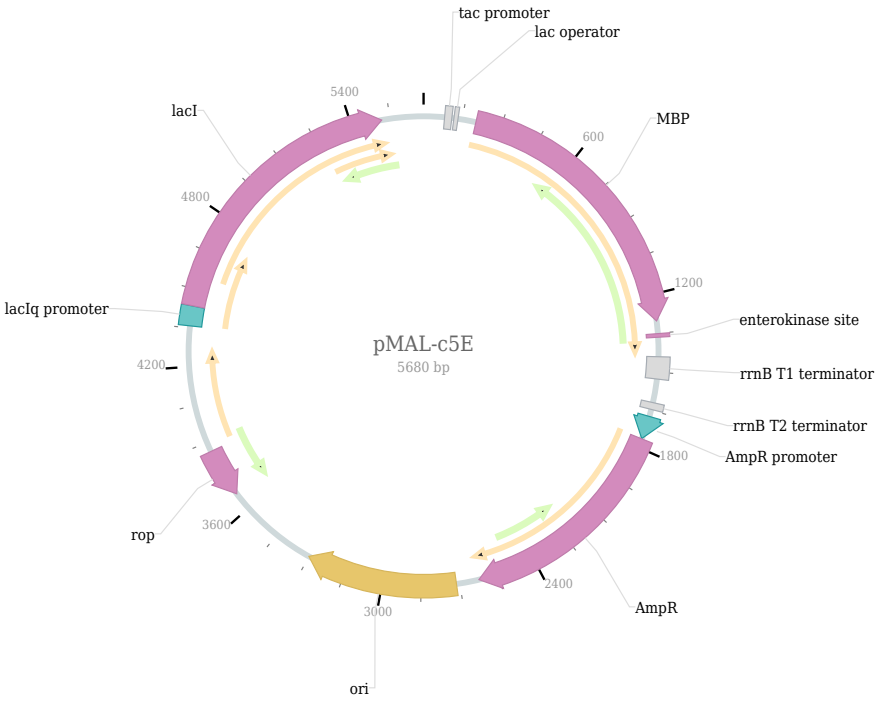
pMAL-c5E

Vector ID	V012452
Antibiotic Resistance	Ampicillin
Length	5680 bp
Vector Type	Cloning Vectors

Product Information

Replication Origin	ori
Source/Author	Riggs P.
Copy Number	High copy number
Growth Strain(s)	DH10B
Comment	pMAL-c5E is a bacterial vector for cytoplasmic MBP (maltose-binding protein) fusion expression in E. coli. Features an IPTG-inducible tac promoter, N-terminal MBP tag upstream of the MCS, and ampicillin resistance; the MBP tag enhances solubility of difficult proteins and enables one-step amylose affinity purification.

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 ℃.