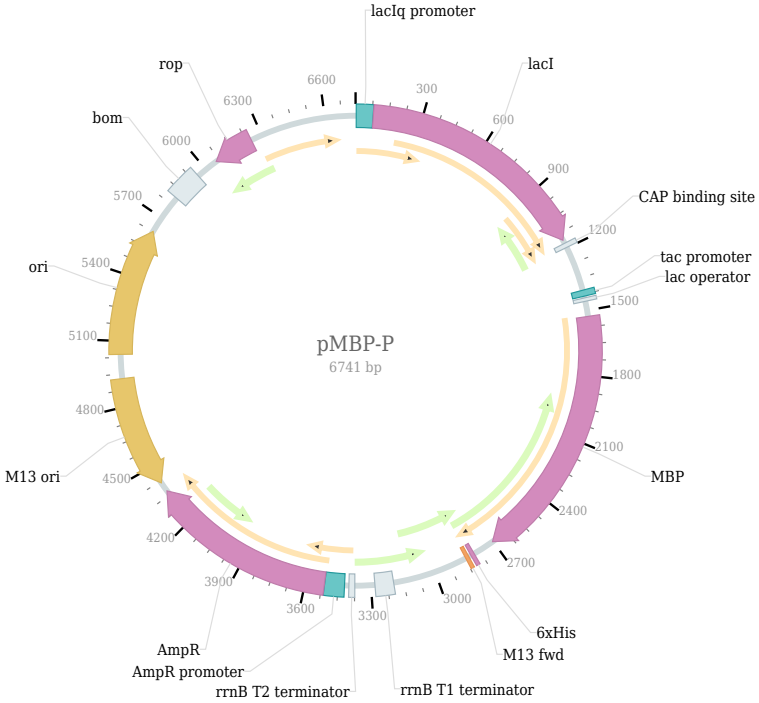
pMBP-P

Vector ID	V012854
Accession ID	pMBPP
Antibiotic Resistance	Ampicillin
Length	6741 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	T7
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pMBP-P is a periplasmic MBP fusion expression vector (pMAL-p type) in which an N-terminal maltose-binding protein tag with signal peptide directs fusion proteins to the E. coli periplasm. Promotes disulfide bond formation and proper folding while enabling one-step amylose affinity purification of recombinant proteins.

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 ℃.