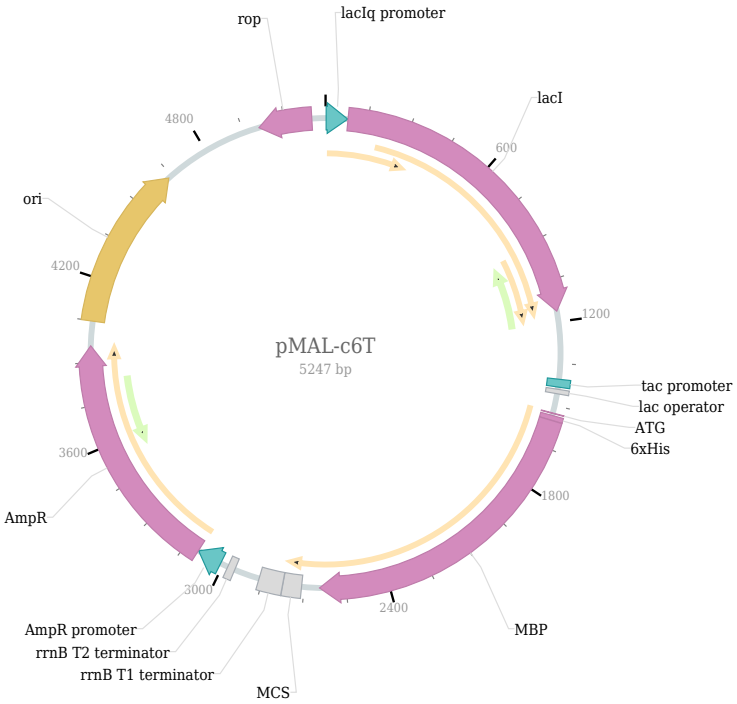
pMAL-c6T

Vector ID	V047689
Antibiotic Resistance	Ampicillin
Length	5247 bp
Vector Type	Cloning Vectors

Product Information

Replication Origin	ori
Copy Number	High copy number
Fusion Tag	Tac
Growth Temperature	37℃
Comment	pMAL-c6T is an E. coli expression vector featuring a tac promoter and the malE gene encoding maltose-binding protein (MBP). It drives N-terminal MBP fusions to enhance solubility, includes a Factor Xa cleavage site for tag removal, and carries an ampicillin resistance marker 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 ℃.