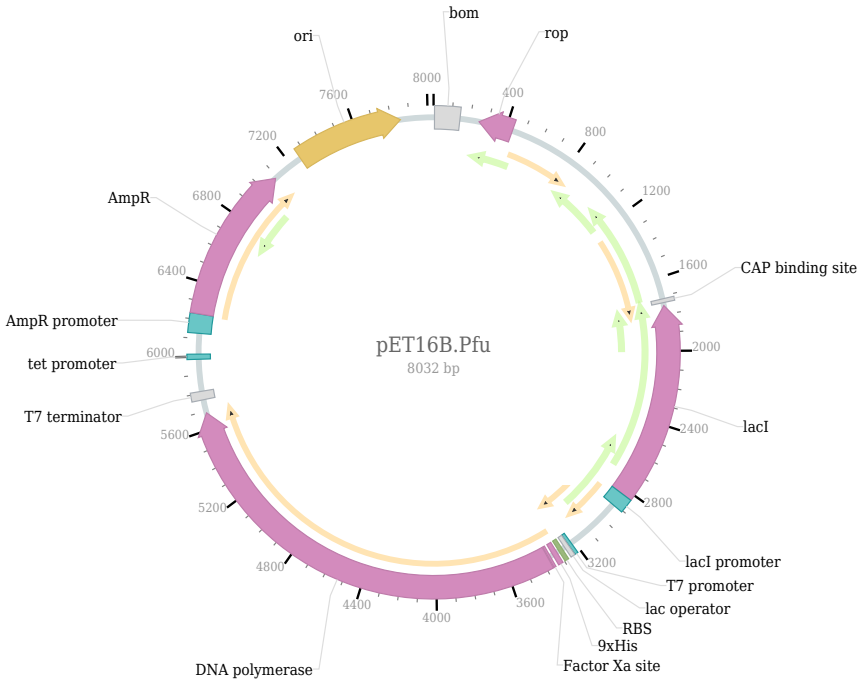
pET16B.Pfu

Vector ID	V013296
Antibiotic Resistance	Ampicillin
Length	8032 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	tet
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pET16B.Pfu is an expression vector carrying the N-(His)$_6$-DNA polymerase gene from Pyrococcus furiosus. It is used to express the high-fidelity Pfu polymerase in Escherichia coli, providing DNA synthesis activity for PCR systems lacking dNTPs.

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 ℃.