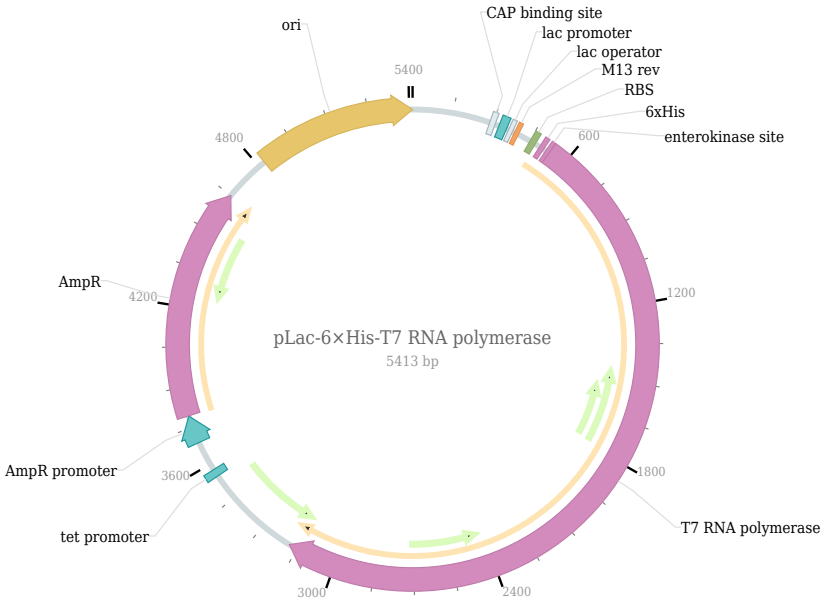
pLac-6×His-T7 RNA polymerase

Vector ID	V014808
Antibiotic Resistance	Ampicillin
Length	5413 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	Lac
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pLac-6×His-T7 RNA polymerase is a bacterial expression plasmid encoding N-terminally 6xHis-tagged T7 RNA polymerase under the IPTG-inducible lac promoter/operator (pQE-8-derived backbone, pT7-911Q). Enables inducible production of active recombinant T7 RNA polymerase in E. coli for in vitro transcription applications (Rio 2013).

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 ℃.