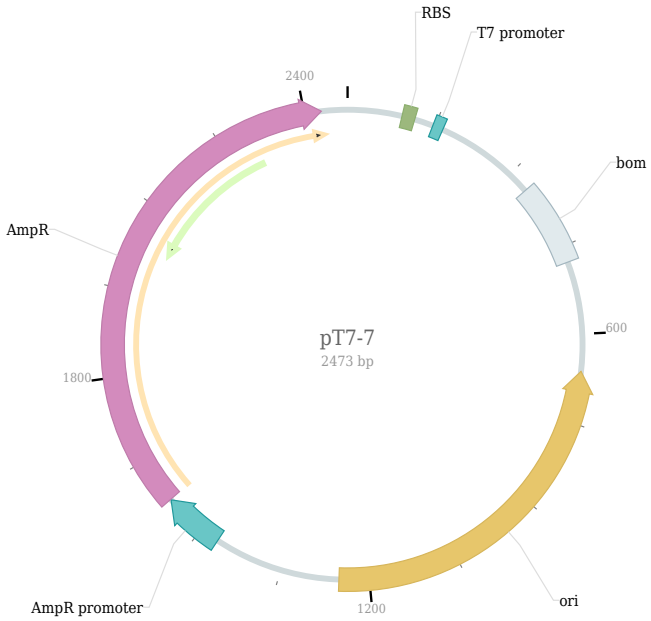
pT7-7

Vector ID	V013373
Accession ID	pT77
Antibiotic Resistance	Ampicillin
Length	2473 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	T7
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pT7-7 is an E. coli expression vector of the pT7 series. A pBR322-derived ColE1/pMB1 ori, bom region and bla (Amp^R) support replication and selection. The cassette pairs the phage T7 φ10 promoter with the gene 10 ribosome binding site and a multiple cloning site (NdeI–HindIII), giving untagged protein; expression needs T7 RNA polymerase from a DE3 lysogen such as BL21(DE3).

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 ℃.