pDEST17

Vector ID	V011836
Antibiotic Resistance	Ampicillin
Length	6350 bp
Vector Type	Gateway Cloning Vectors

Product Information

Replication Origin	ori
Source/Author	Invitrogen (Life Technologies)
Copy Number	High copy number
Promoter	tet
Growth Temperature	37℃
Comment	pDEST17 is a Gateway bacterial expression vector from Invitrogen. It features a T7 promoter for IPTG-inducible expression, an N-terminal 6xHis tag for protein purification, and an ampicillin resistance gene. This low-copy vector is designed for recombinant protein production in E. coli strains like BL21.

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 ℃.