pET-21b(+)

Vector ID	V011022
Antibiotic Resistance	Ampicillin
Length	5438 bp
Vector Type	pET & Duet Vectors (Novagen)

Product Information

Replication Origin	ori
Source/Author	Novagen (EMD Millipore)
Copy Number	High copy number
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pET-21b(+) is a Novagen T7/lac bacterial expression vector for IPTG-inducible protein production in E. coli BL21(DE3); it adds an N-terminal T7·Tag and an optional C-terminal 6×His tag for one-step Ni-NTA purification.

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 ℃.