pBR322

Vector ID	V012538
Antibiotic Resistance	Ampicillin
Length	4361 bp
Vector Type	Cloning Vectors

Product Information

Replication Origin	ori
Source/Author	New England Biolabs
Copy Number	High copy number
Promoter	tet
Comment	pBR322 is a 4,361 bp E. coli cloning vector containing ampicillin and tetracycline resistance genes. It features a pMB1 origin for high-copy replication and allows recombinant screening via antibiotic resistance loss when DNA is inserted into specific restriction sites.

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 ℃.