pAC-94N

载体编号 Vector ID	V017359
抗性 Antibiotic Resistance	Chloramphenicol
长度 Length	9268 bp
载体类型 Vector Type	Protein expression
宿主 Host	E. coli

产品信息

复制子 Replication Origin	p15A ori
拷贝数 Copy Number	Low
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	30℃
备注 Comment	pAC-94N (9.3 kb) is a low-copy bacterial vector for gene expression and metabolic engineering. It carries a tet promoter (tetracycline-inducible) driving the crtI gene (phytoene desaturase), part of the carotenoid biosynthesis pathway. The vector also includes CmR (chloramphenicol resistance) for selection, a p15A origin for low-copy replication, and a cat promoter driving the chloramphenicol acetyltransferase gene. This design is suitable for pathway engineering and gene regulation studies in E. coli.

质粒图谱



复溶方法

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 ℃.