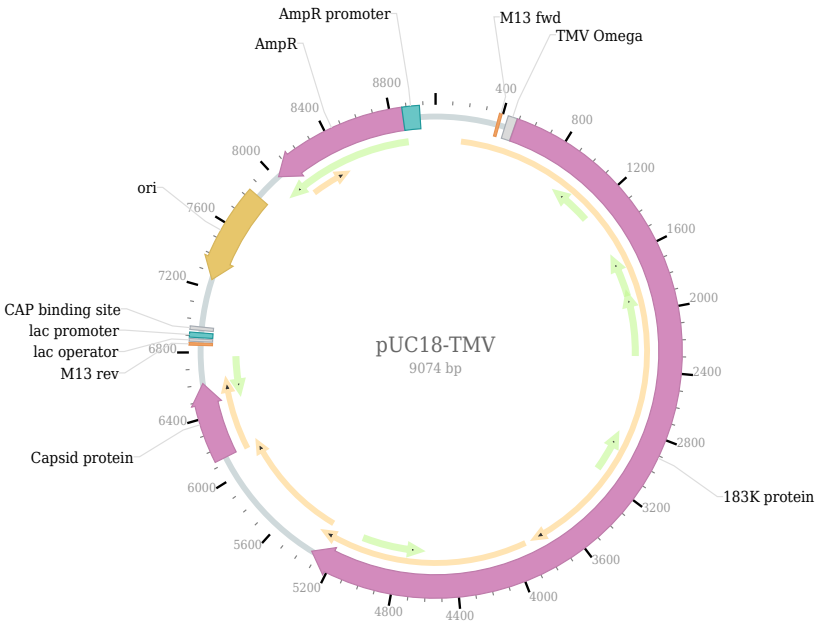
pUC18-TMV

载体编号 Vector ID	V012979
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9074 bp
载体类型 Vector Type	Gene template
宿主 Host	E. coli

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	High copy number
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pUC18-TMV is a hybrid vector that combines the standard pUC18 bacterial cloning plasmid with elements from the Tobacco Mosaic Virus (TMV). It is designed for high-level protein expression in plants. The vector utilizes the pUC18 backbone, which includes a multiple cloning site within the lacZ gene for easy insert cloning and blue/white screening, and an ampicillin resistance gene for selection in E. coli. The incorporated TMV components facilitate efficient replication and high-yield expression of the inserted gene in plant systems.

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 ℃.