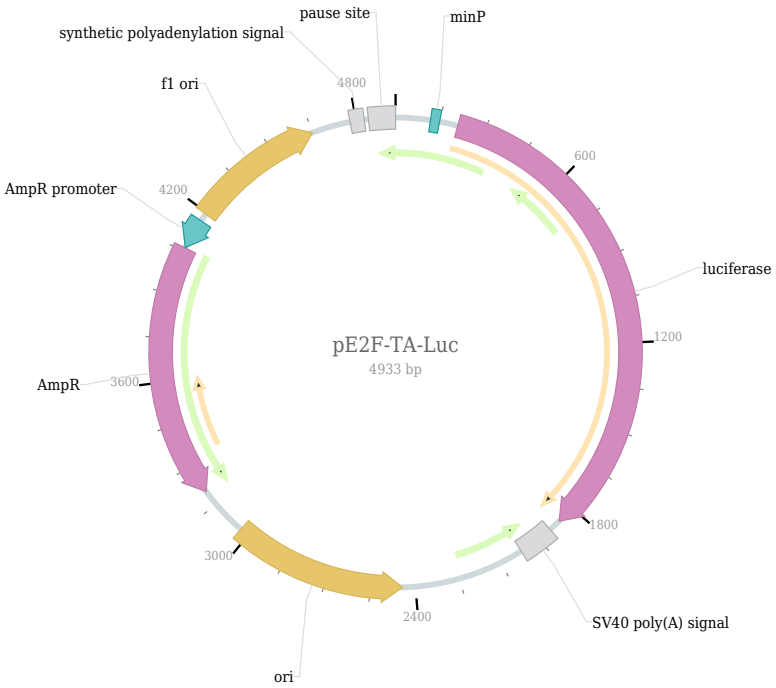
pE2F-TA-Luc

载体编号 Vector ID	V006890
抗性 Antibiotic Resistance	Ampicillin
长度 Length	4933 bp
载体类型 Vector Type	Signal Pathway Reporter Vectors

产品信息

复制子 Replication Origin	ori
克隆方法 Cloning Method	Enzyme digestion and ligation
培养菌株 Growth Strain(s)	JM108
培养温度 Growth Temperature	37℃
备注 Comment	pE2F-TA-Luc is a signal pathway reporter vector used to monitor E2F-mediated transcriptional activity, which is crucial for studying cell-cycle regulation. It contains four E2F enhancer elements upstream of a minimal TA promoter, controlling the expression of the firefly luciferase reporter gene. This allows quantitative measurement of pathway induction. The vector backbone includes an ampicillin resistance gene for selection in E. coliand is 4882 bp in size.

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 ℃.