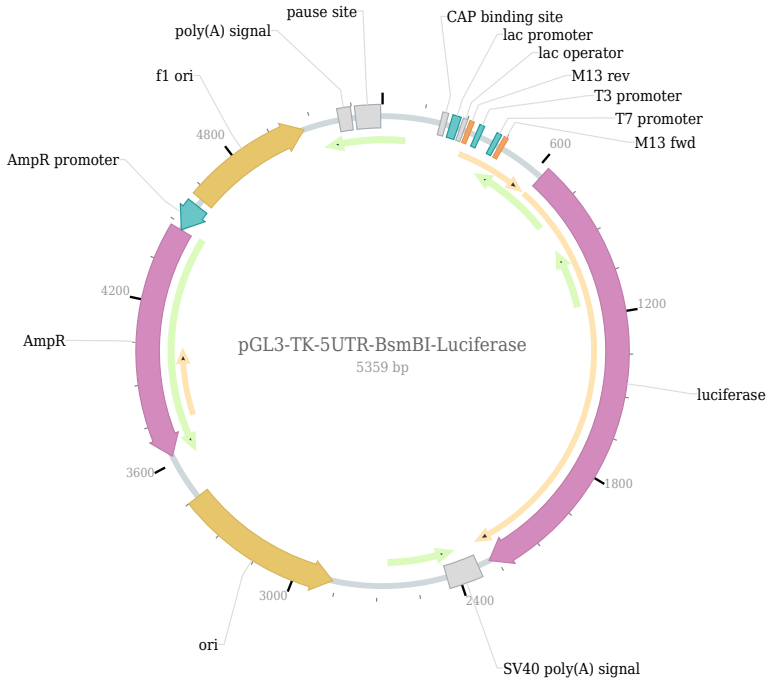
pGL3-TK-5UTR-BsmBI-Luciferase

载体编号 Vector ID	V013996
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5359 bp
载体类型 Vector Type	Luciferase reporter
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pGL3 - TK - 5UTR - BsmBI - Luciferase is an important tool for gene expression regulation research. It uses luciferase activity to show the impact of 5′UTRs on gene expression and has wide applications. Its vector construction includes a luciferase reporter gene, a TK promoter for driving transcription in various cell types, and BsmBI cloning sites for inserting 5′UTR fragments. Functional advantages are studying gene expression regulation mechanisms of different genes' 5′UTRs by detecting luciferase activity in cells, like in breast cancer - related genes research, and being suitable for high - throughput screening experiments to quickly identify significant 5′UTRs or regulatory elements for gene regulation network research.

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 ℃.