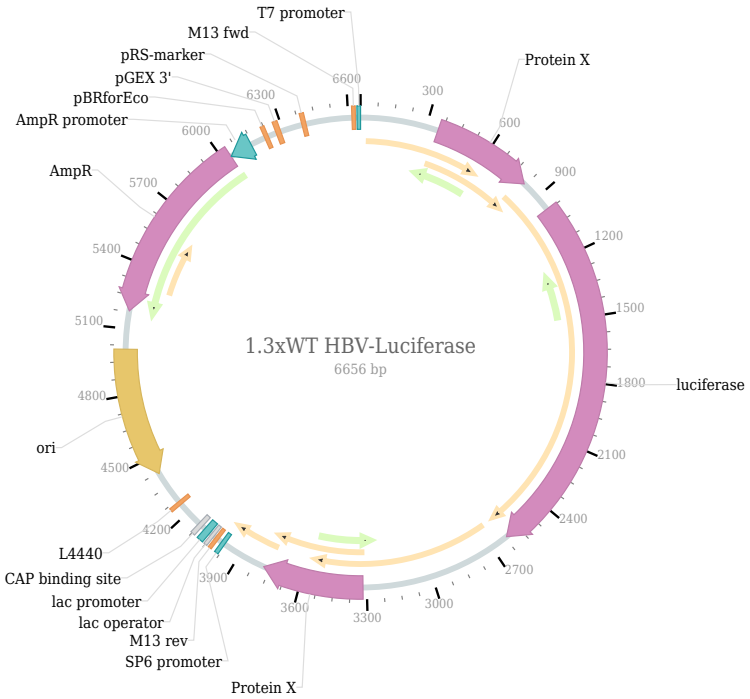
1.3xWT HBV-Luciferase

载体编号 Vector ID	V000707
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6656 bp
载体类型 Vector Type	Mammalian Expression, Luciferase

产品信息

复制子 Replication Origin	ori
启动子 Promoter	SP6
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	The 1.3xWT HBV - Luciferase vector is an important tool for studying hepatitis B virus (HBV) gene expression. It is constructed by replacing specific sequences in the HBV genome with the luciferase gene, enabling the measurement of HBV transcriptional activity through luciferase activity. Its key characteristics include a specific start codon from the Core ORF and regulation by the pgRNA promoter, ensuring accurate reflection of HBV gene expression changes. The main advantages are its high specificity and sensitivity in detecting HBV transcriptional activity and its usefulness in studying the roles of different regulatory elements in the HBV genome. It should be chosen when investigating HBV gene expression regulation, particularly when analyzing the effects of various factors on HBV transcription or when exploring the interactions between different regulatory elements within the HBV genome.

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 ℃.