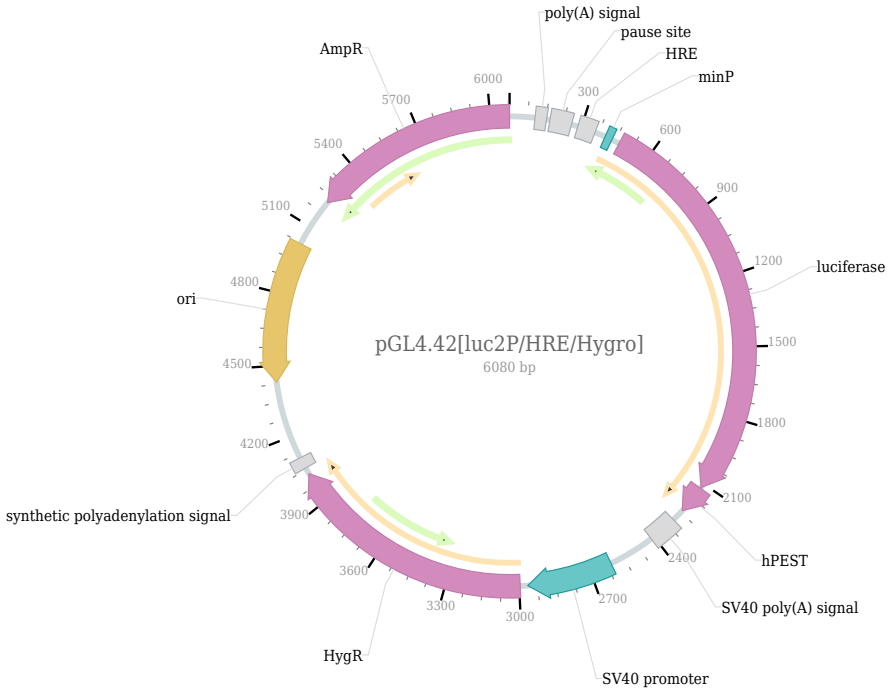
pGL4.42[luc2P/HRE/Hygro]

载体编号 Vector ID	V011508
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6080 bp
载体类型 Vector Type	Luciferase Vectors

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Promega
拷贝数 Copy Number	High copy number
启动子 Promoter	minP
培养菌株 Growth Strain(s)	stbl3
培养温度 Growth Temperature	37℃
备注 Comment	The pGL4.42[luc2P/HRE/Hygro] is a mammalian reporter plasmid designed to study hypoxia signaling. It contains four copies of the hypoxia response element (HRE) controlling the expression of an optimized firefly luciferase gene (luc2P). The luc2P gene includes a protein-destabilizing sequence (hPEST) for rapid response to transcriptional changes. The vector also contains a hygromycin resistance gene for selection in mammalian cells and an ampicillin resistance gene for propagation 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 ℃.