pGro7

载体编号 Vector ID	V012802
抗性 Antibiotic Resistance	Chloramphenicol
长度 Length	5467 bp
载体类型 Vector Type	E.coli expression plasmid

产品信息

复制子 Replication Origin	p15A ori
来源 Source/Author	Takara
拷贝数 Copy Number	Medium copy number
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	Plasmids of chaperone. The function of the plasmid pGro7 is to express the GroEL and GroES proteins, which are chaperonins involved in protein folding in the cytoplasm of Escherichia coli. pGro7 is a high-copy-number plasmid, meaning that it exists in multiple copies per cell, and it is often used for overexpression of proteins in E. coli. The GroEL and GroES proteins form a complex that helps to fold newly synthesized proteins into their correct conformation, preventing protein aggregation and enhancing protein stability. pGro7 is a valuable tool in molecular biology for protein production and 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 ℃.