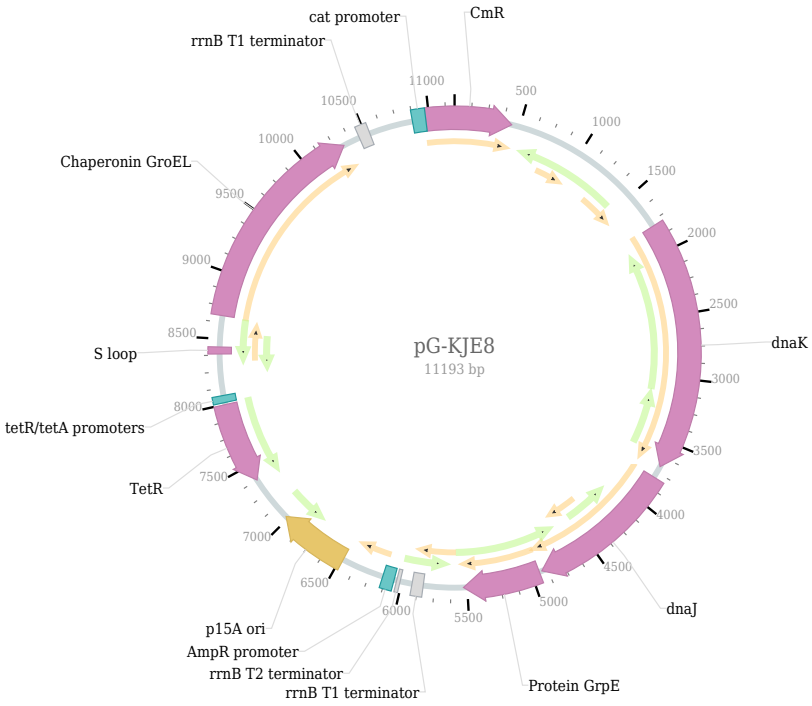
pG-KJE8

载体编号 Vector ID	V012941
抗性 Antibiotic Resistance	Chloramphenicol
长度 Length	11193 bp
载体类型 Vector Type	Packaging assistance
宿主 Host	E. coli

产品信息

复制子 Replication Origin	p15A ori
培养菌株 Growth Strain(s)	DH5a
培养温度 Growth Temperature	37℃
备注 Comment	pG-KJE8 is a chaperone co-expression plasmid that simultaneously overexpresses two major chaperone teams in E. coli: the DnaK-DnaJ-GrpE (Hsp70) system, induced by L-arabinose, and the GroEL-GroES (Hsp60) system, induced by tetracycline. By promoting correct folding of recombinant proteins, it enhances solubility and reduces inclusion body formation. The plasmid carries a pACYC origin and chloramphenicol resistance, enabling compatibility with common ColE1-type, ampicillin-resistant expression vectors.

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 ℃.