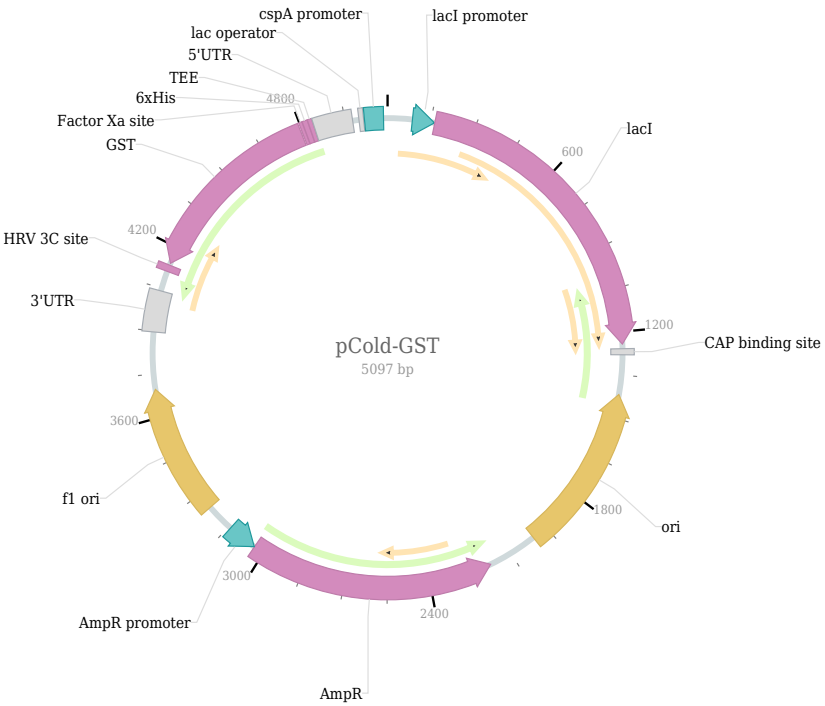
pCold-GST

载体编号 Vector ID	V012903
登录号 Accession ID	pColdGST
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5097 bp
载体类型 Vector Type	Protein expression
宿主 Host	E. coli

产品信息

复制子 Replication Origin	ori
启动子 Promoter	cspA
培养菌株 Growth Strain(s)	DH5a
培养温度 Growth Temperature	37℃
备注 Comment	The pCOLD-GST vector is a bacterial expression plasmid. It utilizes a cold-shock promoter (cspA) for enhanced recombinant protein expression at low temperatures (e.g., 15°C). The vector features an N-terminal GST tag for affinity purification via glutathione sepharose and often includes a His tag and an HRV 3C protease site for tag cleavage. It's widely used to improve protein solubility and yield 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 ℃.