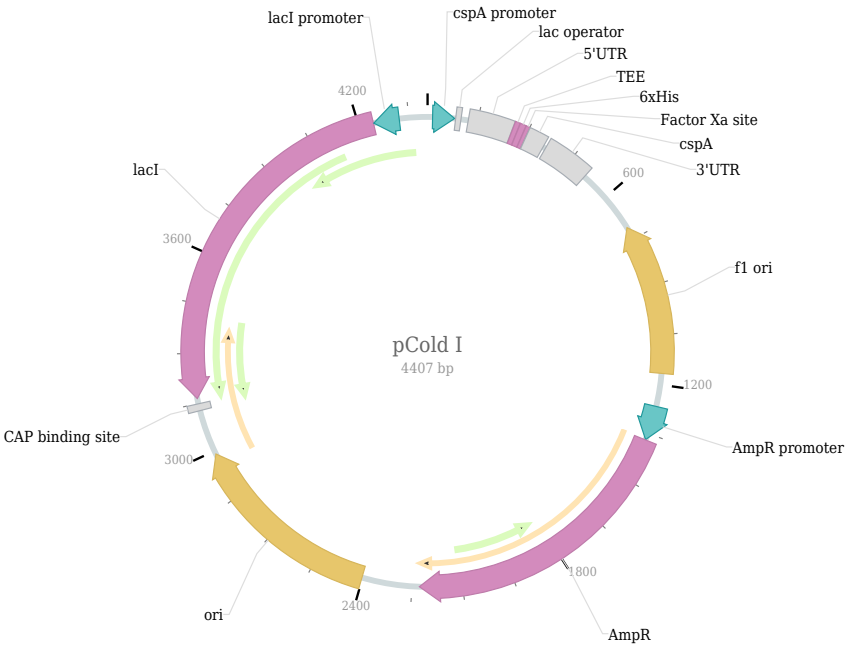
pCold I

载体编号 Vector ID	V008316
抗性 Antibiotic Resistance	Ampicillin
长度 Length	4407 bp
载体类型 Vector Type	Expression vector

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Qing G, Ma LC, Khorchid A, Swapna GV, Mal TK, Takayama MM, Xia B, Phadtare S, Ke H, Acton T, Montelione GT, Ikura M, Inouye M.
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	The pCold I plasmid is an E. coli cold-shock expression vector. It uses the cspA promoter to induce high-yield recombinant protein expression at low temperatures (e.g., 15°C), which enhances solubility and reduces host protein interference. It features an N-terminal 6xHis-tag and a Factor Xa cleavage site for purification and tag removal.

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 ℃.