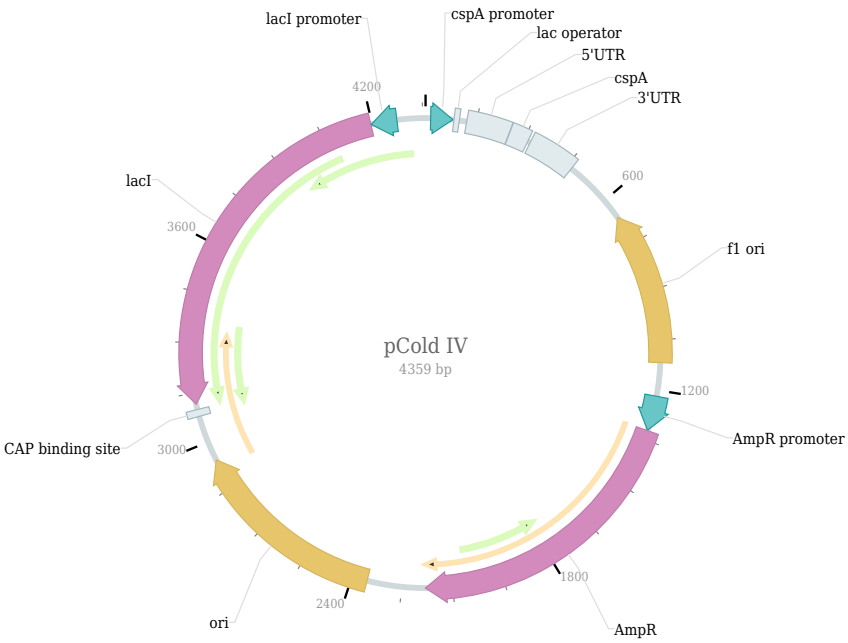
pCold IV

Vector ID	V008307
Antibiotic Resistance	Ampicillin
Length	4359 bp
Vector Type	Expression vector

Product Information

Replication Origin	ori
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.
Promoter	cspA
Growth Strain(s)	DH10B
Comment	pCold IV is a cold shock-induced expression vector that utilises the cspA promoter for efficient expression of recombinant proteins at 15°C, enhancing solubility and yield.

Vector Map



Plasmid Resuspension Protocol

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 ℃.