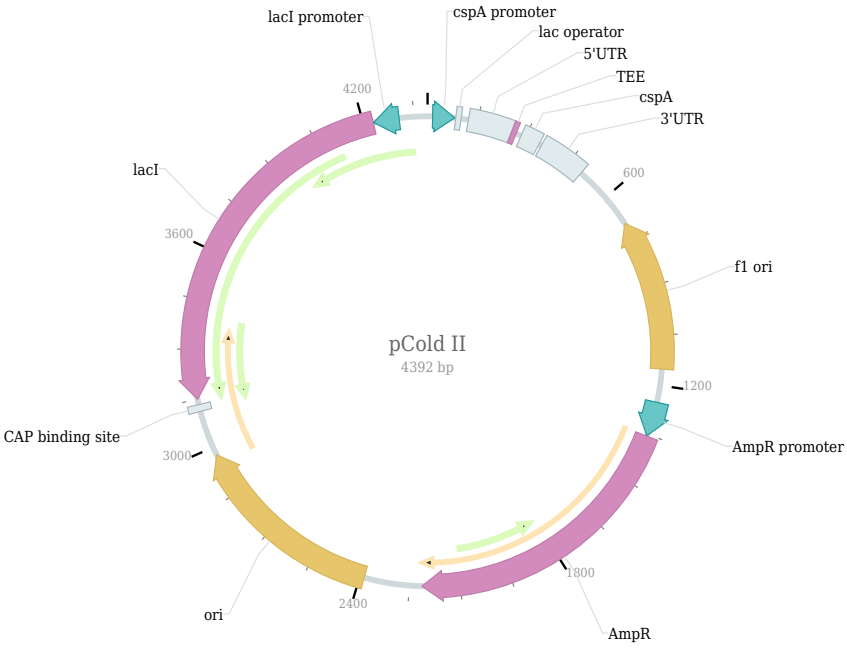
pCold II

Vector ID	V008313
Antibiotic Resistance	Ampicillin
Length	4392 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 II is an E. coli cold-shock expression vector driven by the cspA promoter, induced by shifting cultures from 37°C to 15°C and adding IPTG. It carries cspA 5'UTR, TEE, an N-terminal 6×His tag, MCS, and cspA 3'UTR; AmpR + ColE1 ori.

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 ℃.