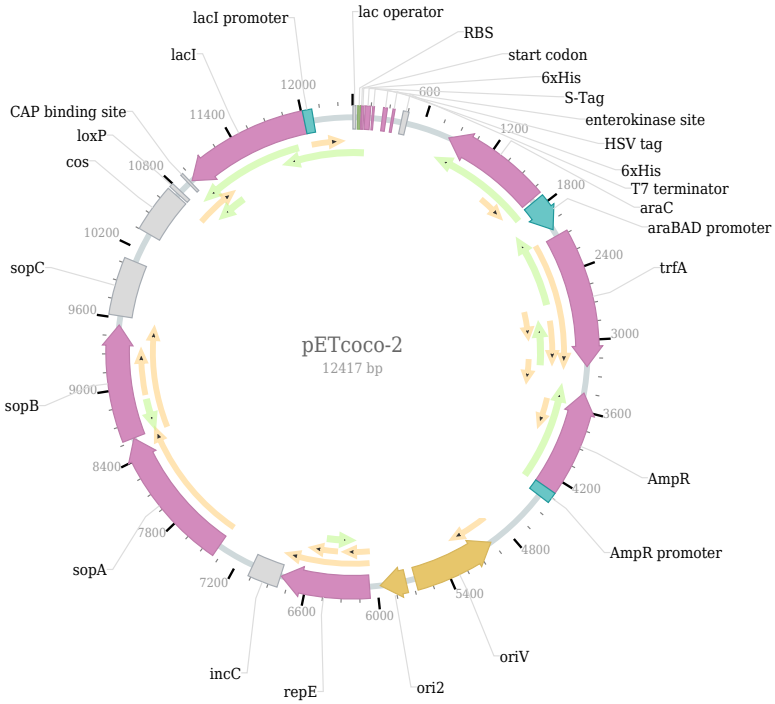
pETcoco-2

Vector ID	V010931
Antibiotic Resistance	Ampicillin
Length	12417 bp
Vector Type	pET & Duet Vectors (Novagen)

Product Information

Replication Origin	ori2
Source/Author	Novagen (EMD Millipore)
Copy Number	Low copy number
Promoter	araBAD
Growth Strain(s)	EPI300
Comment	pETcoco-2 serves as the backbone vector, with L-arabinose added to increase copy number. Following IPTG induction, T7 RNA polymerase is activated to initiate transcription of the target gene controlled by the T7 promoter, enabling the secretion and expression of two bacteriocins in E. coli Tuner™(DE3) strain.

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 ℃.