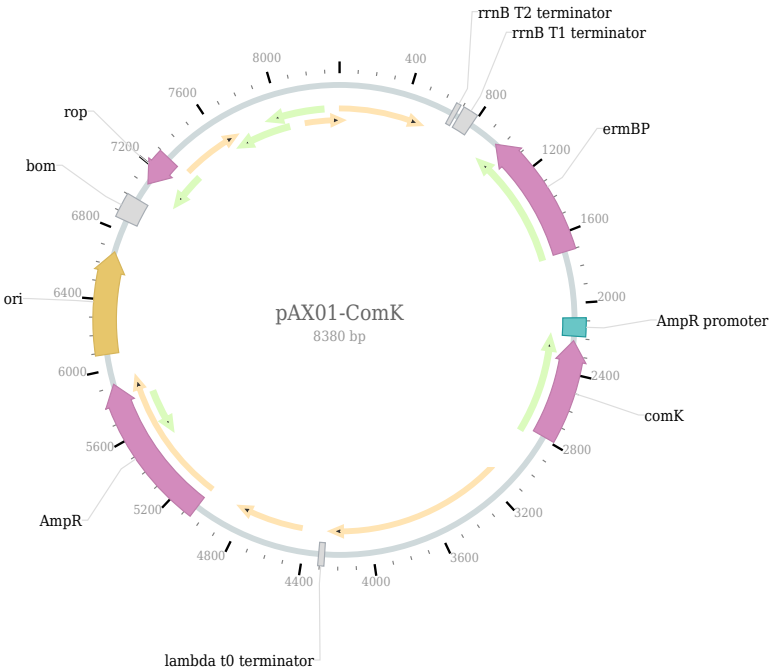
pAX01-ComK

Vector ID	V013223
Antibiotic Resistance	Ampicillin
Length	8380 bp
Vector Type	Protein expression
Host	Bacillus subtilis

Product Information

Replication Origin	ori
Selection Marker	Ery
Promoter	xylA
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	This is an 8380 bp bacterial expression vector, pAX01-ComK. It is designed to express the ComK gene under the control of the strong ermBP promoter. The vector includes the AmpR gene for antibiotic selection in E. coli and features the pMB1 origin (ori) for DNA replication. Additionally, it contains essential regulatory elements such as the rop and bom genes for plasmid maintenance, along with the rrnB T1/T2 and lambda t0 terminators for transcription termination.

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 ℃.