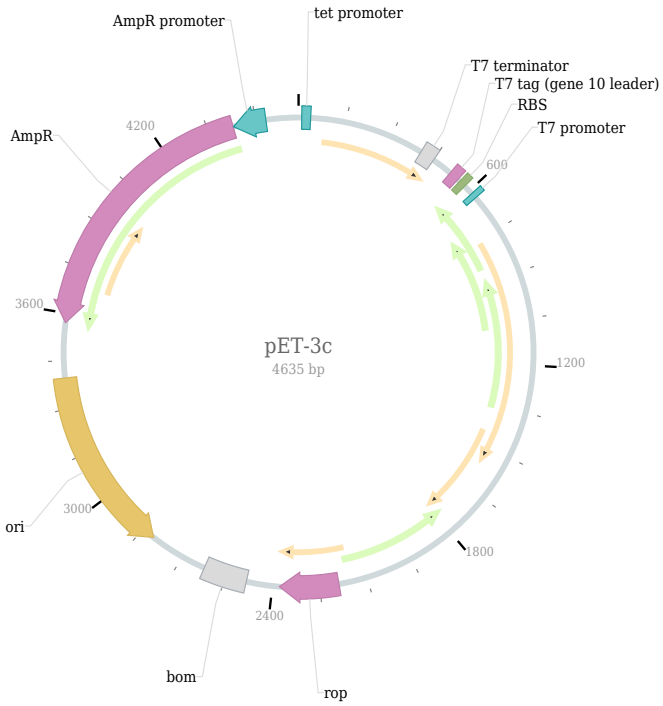
pET-3c

Vector ID	V010980
Antibiotic Resistance	Ampicillin
Length	4635 bp
Vector Type	pET & Duet Vectors (Novagen)

Product Information

Replication Origin	ori
Source/Author	Novagen (EMD Millipore)
Copy Number	High copy number
Promoter	tet
Growth Strain(s)	Top10
Growth Temperature	37℃
Comment	pET-3c is an E. coli expression vector using the T7 promoter for high-level protein production. It carries an ampicillin-resistance gene for selection and utilizes the lac operator/IPTG induction system to tightly regulate target gene expression, typically in BL21(DE3) strains.

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 ℃.