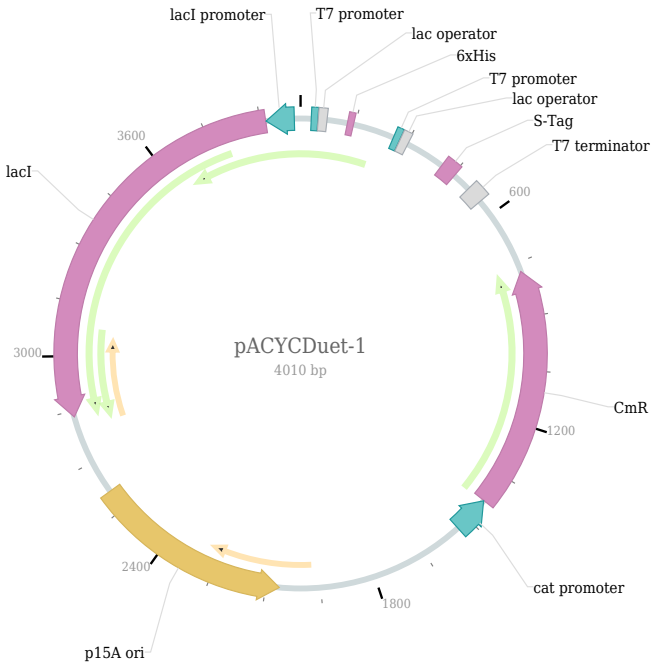
pACYCDuet-1

Vector ID	V011042
Antibiotic Resistance	Chloramphenicol
Length	4010 bp
Vector Type	pET & Duet Vectors (Novagen)

Product Information

Replication Origin	p15A ori
Source/Author	Novagen (EMD Millipore)
Copy Number	Medium copy number
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	This is a 4010 bp bacterial expression vector, pACYC Duet-1. It features two T7 promoters for simultaneous expression of target proteins, one of which is fused with an N-terminal 6xHis tag and the other with an S-Tag. The system is regulated by the lac operator and lacI repressor. It also carries the chloramphenicol resistance gene (CmR) and the p15A origin of replication for stable maintenance in E.coli.

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 ℃.