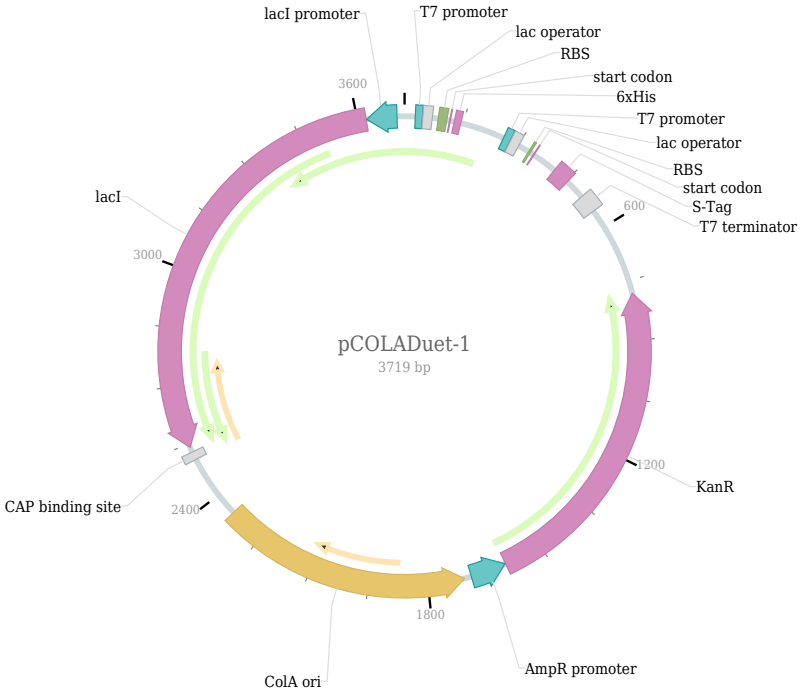
pCOLADuet-1

Vector ID	V011035
Antibiotic Resistance	Kanamycin
Length	3719 bp
Vector Type	pET & Duet Vectors (Novagen)

Product Information

Replication Origin	ColA ori
Source/Author	Novagen (EMD Millipore)
Copy Number	High copy number
Growth Strain(s)	DH10B
Comment	This is a 3719 bp dual-expression vector, pCOLADuet-1. It features two T7 promoter-driven expression cassettes. One cassette allows for the production of a 6xHis and S-Tag fusion protein, while the other drives KanR expression. The vector also includes a lac operator for regulated control, an ampicillin resistance gene (AmpR) for bacterial selection, and a ColA origin for replication.

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 ℃.