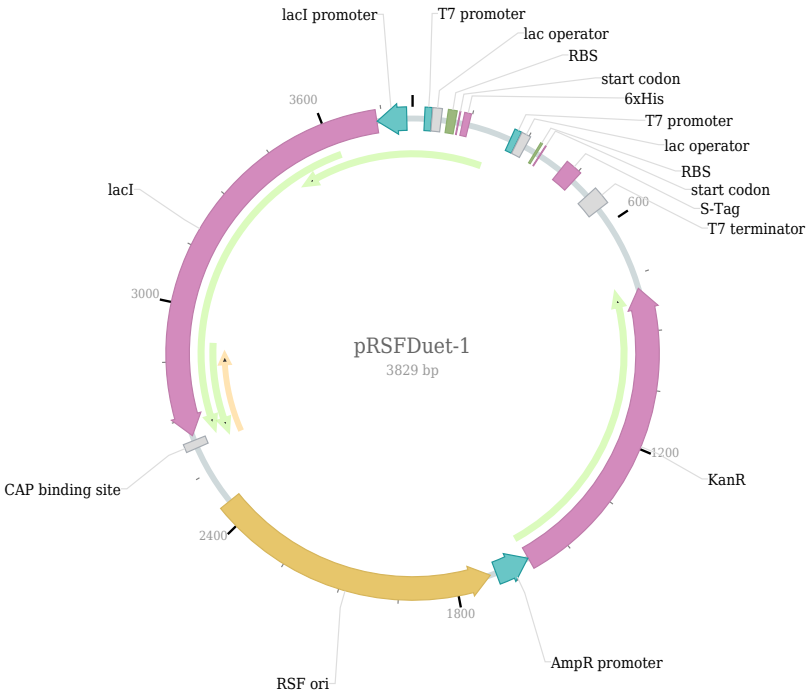
pRSFDuet-1

Vector ID	V010923
Antibiotic Resistance	Kanamycin
Length	3829 bp
Vector Type	pET & Duet Vectors (Novagen)

Product Information

Replication Origin	RSF ori
Source/Author	Novagen (EMD Millipore)
Copy Number	High copy number
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pRSFDuet-1 vector contains an RSF 1030 origin and dual promoters, allowing the simultaneous expression of two genes. This makes it highly efficient for co-expressing two proteins and is ideal for studying protein-protein interactions and complex biological pathways. The pRSFDuet-1 vector is suitable for cases where one is studying protein complexes or interactions requiring co-expression of two genes.

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 ℃.