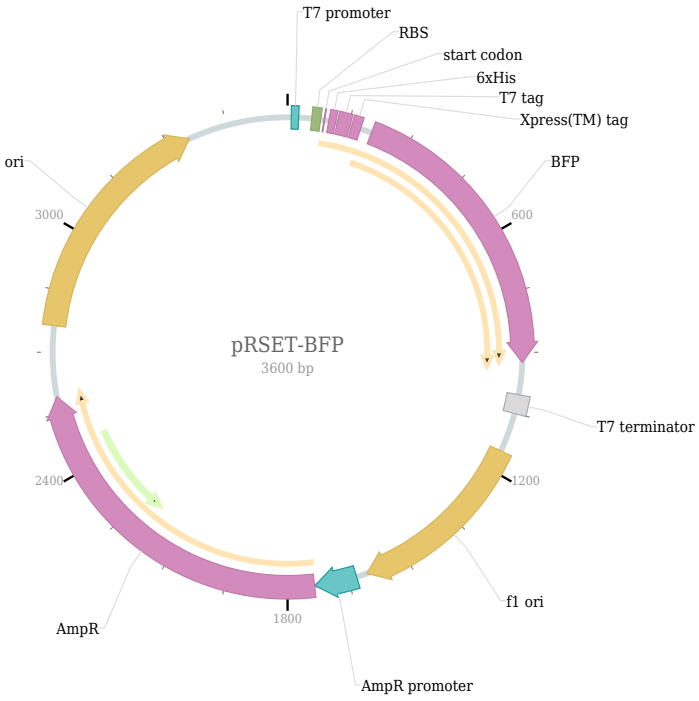
pRSET-BFP

Vector ID	V011941
Antibiotic Resistance	Ampicillin
Length	3600 bp
Vector Type	Fluorescent Protein Genes & Plasmids

Product Information

Replication Origin	ori
Source/Author	Invitrogen (Life Technologies)
Copy Number	High copy number
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pRSET-BFP is a pRSET-family bacterial vector expressing blue fluorescent protein (BFP, a Y66H derivative of Aequorea GFP; ex/em 380/445 nm) from a T7 promoter with an N-terminal His6 tag. Enables E. coli expression, Ni-NTA purification, and spectral calibration of blue fluorescent probes (Schoepfer 1993).

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 ℃.