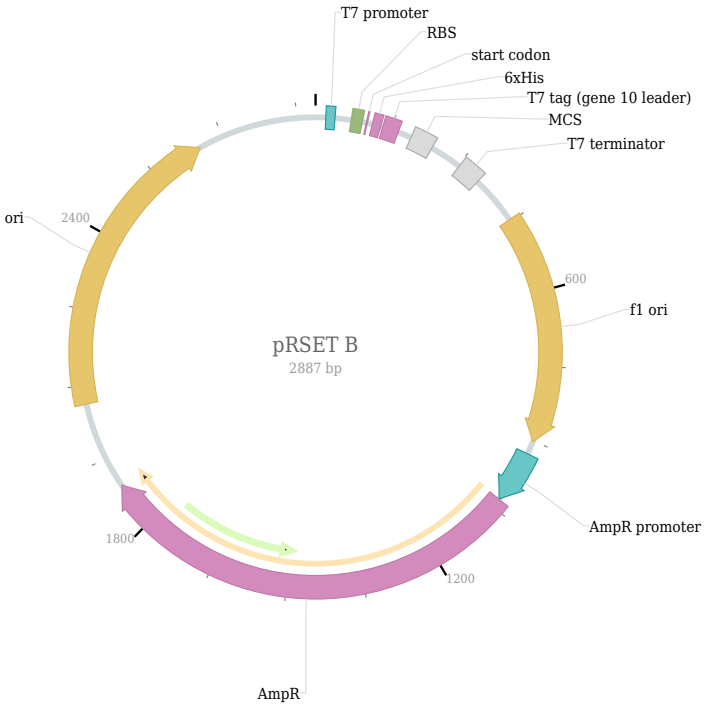
pRSET B

Vector ID	V012417
Antibiotic Resistance	Ampicillin
Length	2887 bp
Vector Type	Prokaryotic expression vector

Product Information

Replication Origin	ori
Source/Author	Invitrogen (Life Technologies)
Copy Number	High copy number
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pRSET B is a prokaryotic expression vector designed for high-level protein production under the control of the strong bacteriophage T7 promoter. This vector enables IPTG-inducible expression of recombinant proteins fused to an N-terminal 6xHis tag, which facilitates purification by metal affinity chromatography.

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 ℃.