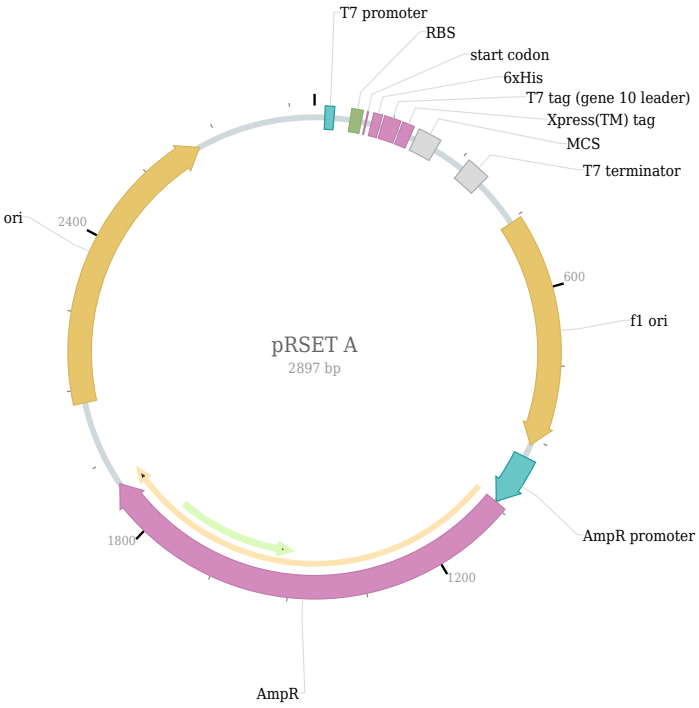
pRSET A

Vector ID	V012418
Antibiotic Resistance	Ampicillin
Length	2897 bp
Vector Type	Cloning Vectors

Product Information

Replication Origin	ori
Source/Author	Invitrogen (Life Technologies)
Copy Number	High copy number
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pRSET A is a 2.83 kb, high-copy-number T7-promoter-based E. coli expression vector with an N-terminal 6×His tag for Ni^{2+}-affinity purification, an enterokinase cleavage site, an f1 origin, and a polylinker with 11 unique sites offset across all reading frames [1,2].

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 ℃.