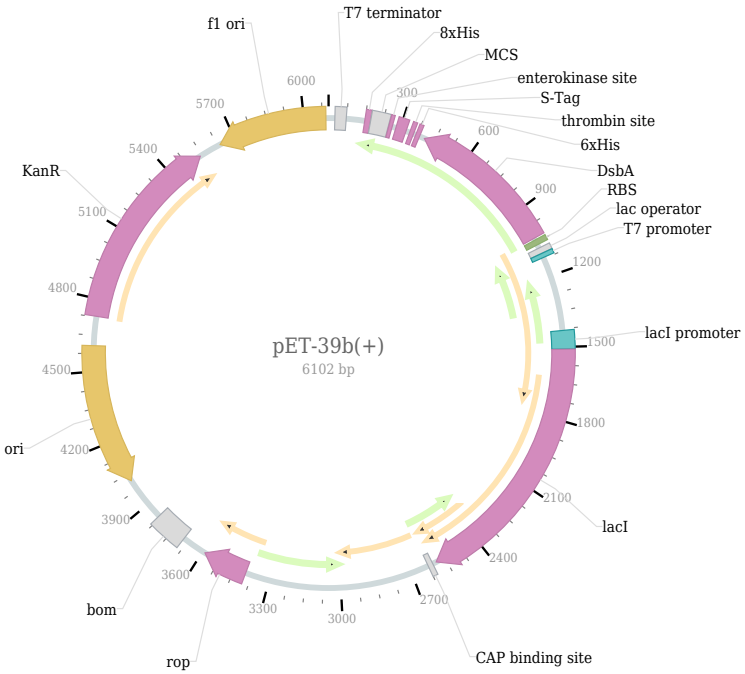
pET-39b(+)

Vector ID	V010983
Antibiotic Resistance	Kanamycin
Length	6102 bp
Vector Type	pET & Duet Vectors (Novagen)

Product Information

Replication Origin	ori
Source/Author	Novagen (EMD Millipore)
Copy Number	High copy number
Comment	pET-39b(+) (6.1 kb) is a bacterial expression vector for periplasmic protein production. It uses a T7 promoter with lac operator for tight regulation. The fusion tag includes DsbA (for disulfide bond formation), 6xHis, thrombin site, S-Tag, enterokinase site, and a C-terminal 8xHis. The vector also carries KanR, f1 ori, and lacI for inducible expression in E.coli.

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 ℃.