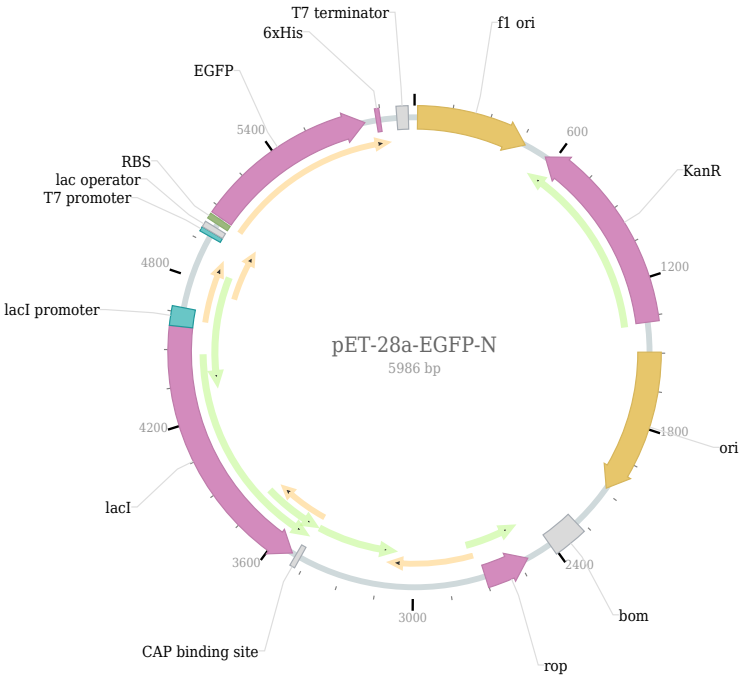
pET-28a-EGFP-N

Vector ID	V007512
Antibiotic Resistance	Kanamycin
Length	5986 bp
Vector Type	E. coli Expression Vectors, Fluorescent Protein Re

Product Information

Replication Origin	ori
Selection Marker	N-EGFP
Promoter	T7/lac
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pET-28a-EGFP-N is a 5986 bp E. coli expression vector for producing N-terminally tagged Enhanced Green Fluorescent Protein (EGFP) fusions. It utilizes a T7/lac promoter, offers kanamycin selection, and is designed for high-level, IPTG-inducible protein expression in suitable host strains like BL21(DE3).

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 ℃.