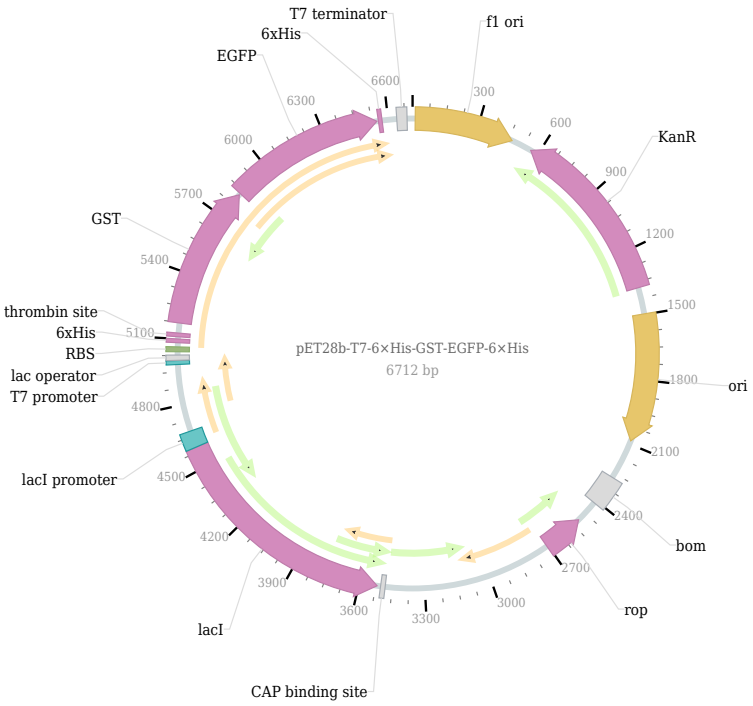
pET28b-T7-6×His-GST-EGFP-6×His

Vector ID	V014730
Antibiotic Resistance	Kanamycin
Length	6712 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Copy Number	Low
Promoter	T7
Growth Temperature	37℃
Comment	pET28b-T7-6×His-GST-EGFP-6×His (6.7 kb) is a bacterial expression vector. It carries a T7 promoter driving a fusion protein: N-terminal 6×His, GST, thrombin site, EGFP, and C-terminal 6×His. This design allows dual-affinity purification (His-tag and GST) and fluorescent tracking of the protein. It also includes KanR, lacI for tight regulation.

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 ℃.