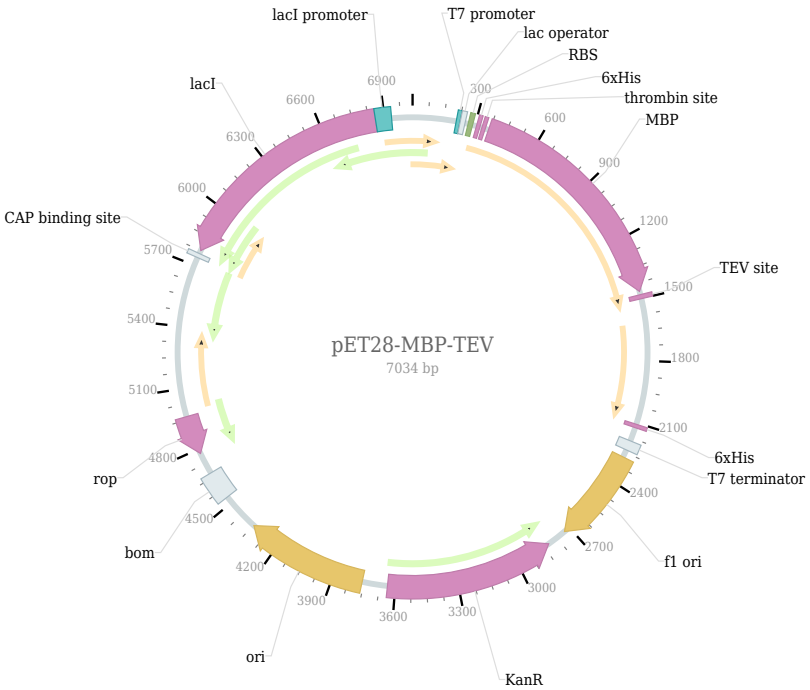
pET28-MBP-TEV

Vector ID	V013877
Antibiotic Resistance	Kanamycin
Length	7034 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	T7
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	The pET28-MBP-TEV plasmid is used for recombinant protein expression in E. coli. It contains an N-terminal 6xHis-tag, a maltose-binding protein (MBP) solubility tag, and a Tobacco Etch Virus (TEV) protease cleavage site, enabling affinity purification and subsequent tag removal.

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 ℃.