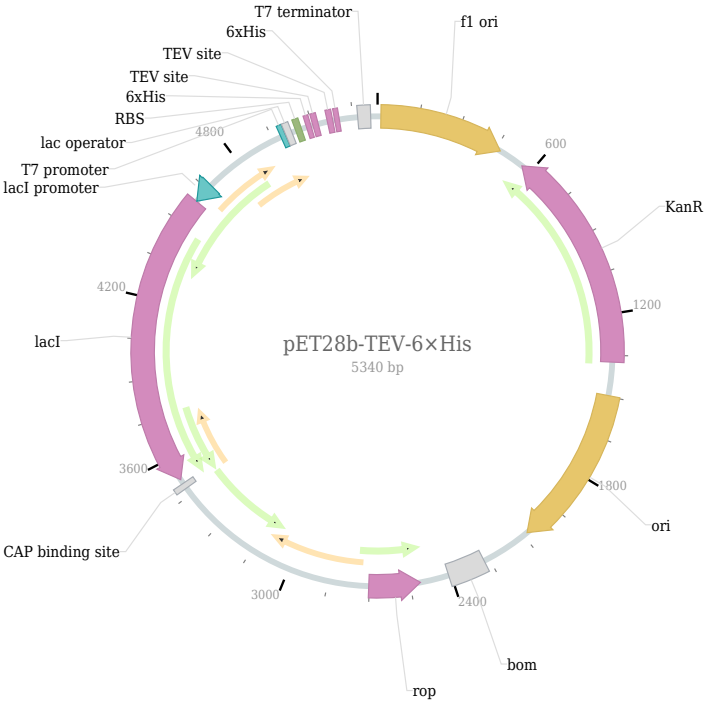
pET28b-TEV-6×His

载体编号 Vector ID	V013030
登录号 Accession ID	pET28bTEV6×His
抗性 Antibiotic Resistance	Kanamycin
长度 Length	5340 bp
载体类型 Vector Type	Protein expression
宿主 Host	E. coli

产品信息

复制子 Replication Origin	ori
启动子 Promoter	T7
培养菌株 Growth Strain(s)	Top10
培养温度 Growth Temperature	37℃
备注 Comment	The pET28b-TEV-6×His is an E. coliprotein expression plasmid of 5344 bp, featuring a T7/lac promoter for IPTG-inducible control and a kanamycin resistance marker. It is designed to express recombinant proteins with an N-terminal 6xHis affinity tag, which is followed by a specific cleavage site for Tobacco Etch Virus (TEV) protease (sequence: ENLYFQG). This design allows for high-level protein expression in hosts like BL21(DE3) and subsequent removal of the purification tag to obtain the native protein sequence.

质粒图谱



复溶方法

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 ℃.