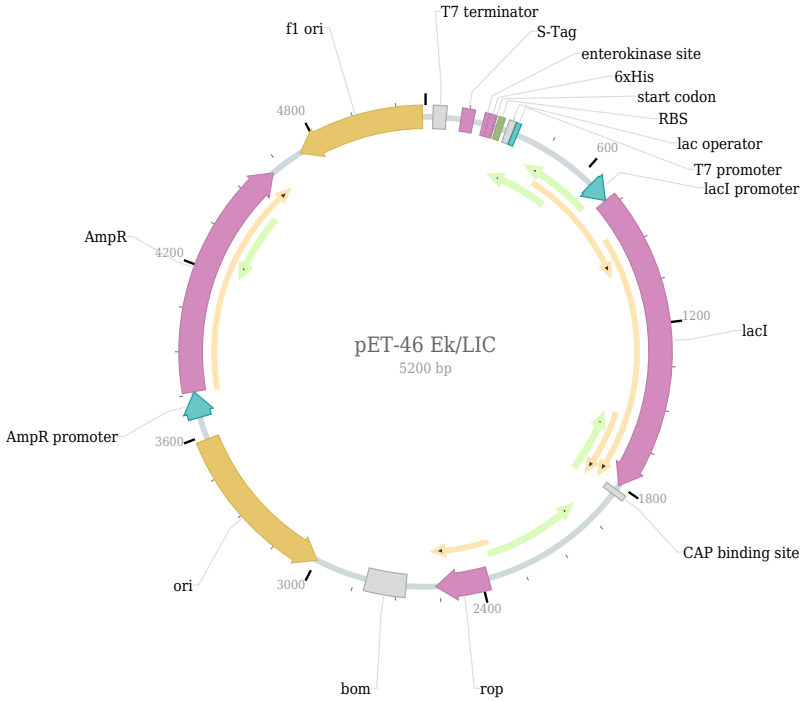
pET-46 Ek/LIC

载体编号 Vector ID	V010959
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5200 bp
载体类型 Vector Type	pET & Duet Vectors (Novagen)

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Novagen (EMD Millipore)
拷贝数 Copy Number	High copy number
克隆方法 Cloning Method	Enzyme digestion and ligation
3' 引物 3' Primer	T7t: 5'-TGCTAGTTATTGCTCAGCGG-3'
融合标签 Fusion Tag	N-His, N-EK, C-S
培养菌株 Growth Strain(s)	Top10
备注 Comment	The pET-46 Ek/LIC vector is prepared for rapid, directional cloning of PCR-amplified DNA for highlevel expression of polypeptides. Using specifically designed primers for amplification and the pET-46 Ek/LIC Cloning Kit (Cat. No. 71335-3), inserts can be efficiently cloned without the need for restriction digestion or ligation. Fusion proteins contain an N-terminal cleavable His•Tag sequence. Fusion to an optional C-terminal S•TagTM sequence can also be created for detection, purification and quantification of fusion proteins. Unique sites are shown on the circle map. Note that the sequence is numbered by the pBR322 convention, so the T7 expression region is reversed on the circle map. The f1 origin is oriented so that infection with helper phage will produce virions containing single stranded DNA that corresponds to the coding strand. Therefore, single stranded sequencing should be performed using the T7 Terminator Primer (Cat. No. 69337-3).

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 ℃.