# pET/ELP-I-CAT

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| **载体编号 Vector ID** | V000269 |
| **抗性 Antibiotic Resistance** | Ampicillin |
| **长度 Length** | 8229 bp |
| **载体类型 Vector Type** | Bacterial Expression |

## 产品信息

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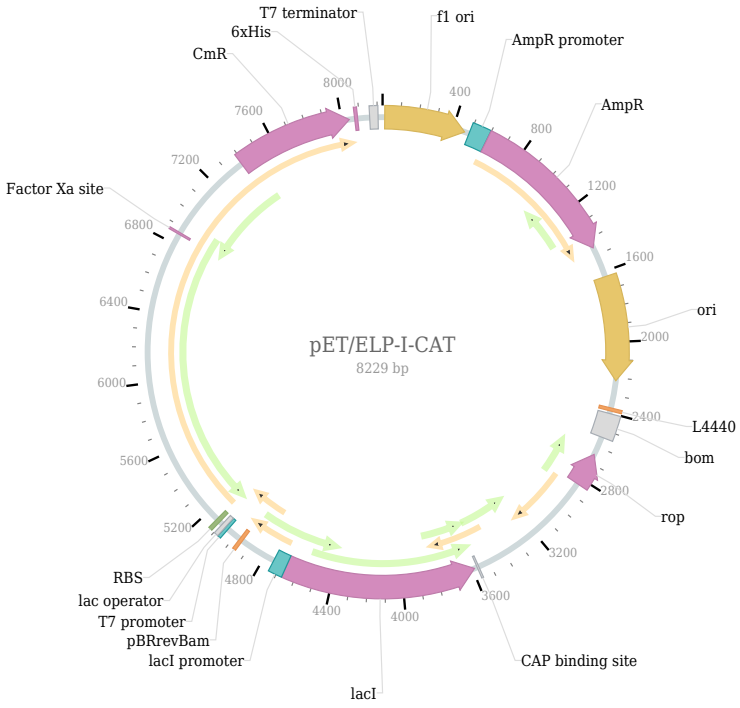
| **复制子 Replication Origin** | ori |
| **拷贝数 Copy Number** | Low Copy |
| **克隆方法 Cloning Method** | Restriction Enzyme |
| **5' 引物 5' Primer** | T7 to sequence ELP |
| **3' 引物 3' Primer** | F1ori-R |
| **培养菌株 Growth Strain(s)** | DH10B |
| **培养温度 Growth Temperature** | 37℃ |
| **备注 Comment** | pET/ELP-I-CAT is a T7-based E.coli expression vector that implements the ELP–Intein affinity-purification system — a chromatography-free protein purification platform where your target protein is fused to an ELP (Elastin-Like Polypeptide) tag for temperature-driven phase separation and an intein (self-cleaving domain) for tag removal in a single tube — and CAT (chloramphenicol acetyltransferase) in this specific deposited plasmid is the placeholder/demonstration gene sitting downstream of the intein to prove the system works. |

## 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 ℃.