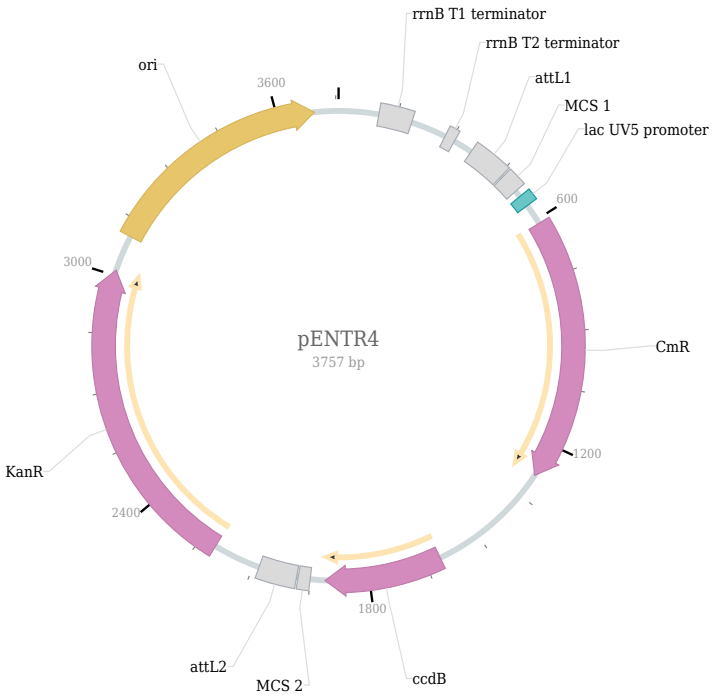
# pENTR4

| | |
|---|---|
| **载体编号 Vector ID** | V011809 |
| **抗性 Antibiotic Resistance** | Kanamycin |
| **长度 Length** | 3757 bp |
| **载体类型 Vector Type** | Gateway Cloning Vectors |

## 产品信息

| | |
|---|---|
| **复制子 Replication Origin** | ori |
| **来源 Source/Author** | Invitrogen (Life Technologies) |
| **拷贝数 Copy Number** | High copy number |
| **启动子 Promoter** | lac UV5 |
| **培养菌株 Growth Strain(s)** | DB3.1 |
| **培养温度 Growth Temperature** | 37℃ |
| **备注 Comment** | The pENTR4 is a 3.7 kb Gateway entry vector for cloning genes flanked by attL1 and attL2 sites. It is a high-copy plasmid with a kanamycin resistance gene and a pUC origin. A key feature is the ccdB lethal gene between the attL sites, requiring the use of ccdB-resistant strains like DB3.1 for propagation. Cloned inserts can be transferred via LR recombination to destination vectors for expression studies. |

## 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 ℃.