# pCM80

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| **载体编号 Vector ID** | V008430 |
| **抗性 Antibiotic Resistance** | Tetracycline |
| **长度 Length** | 7245 bp |
| **载体类型 Vector Type** | Cloning vector |

## 产品信息

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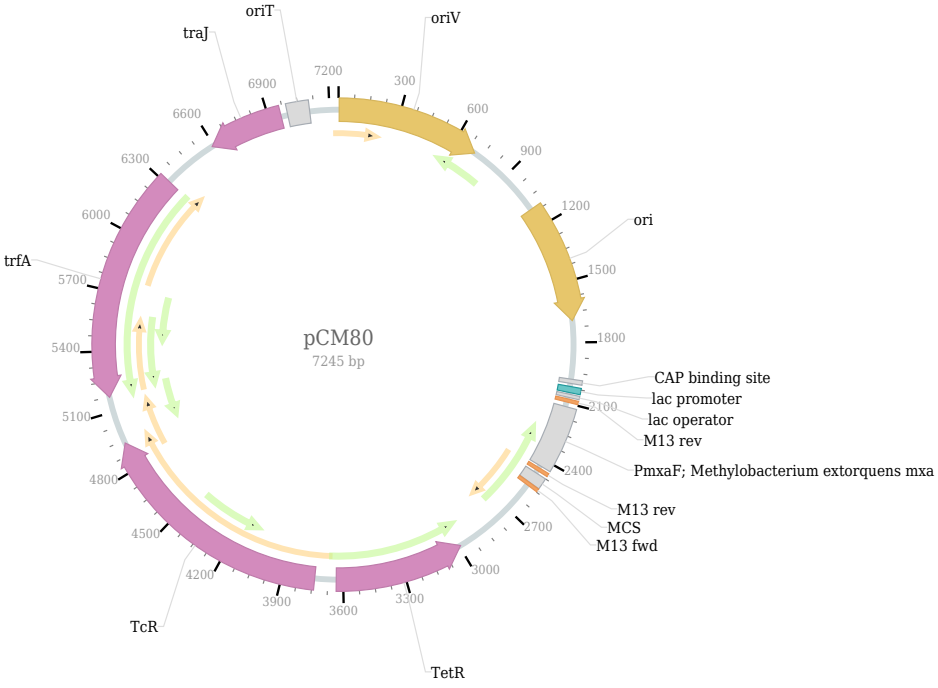
| **复制子 Replication Origin** | oriV |
| **来源 Source/Author** | Marx CJ, Lidstrom ME. |
| **培养菌株 Growth Strain(s)** | DH10B |
| **备注 Comment** | This is a 7245 bp conjugative plasmid, pCM80, derived from Methylibacterium extorquens. It features the bacterial conjugation machinery, including traJ, oriTfor transfer, and the broad-host-range trfAgene for replication. The vector carries dual antibiotic resistance genes: kanamycin (TcR) and tetracycline (TetR). For cloning purposes, it includes a multiple cloning site (MCS) under the control of the lacpromoter, along with standard bacterial elements such as ori, lacoperator, and M13 priming sites. |

## 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 ℃.