# pAAV2-3B

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| **载体编号 Vector ID** | V047686 |
| **抗性 Antibiotic Resistance** | Ampicillin |
| **长度 Length** | 7330 bp |
| **载体类型 Vector Type** | Viral Expression & Packaging Vectors |
| **宿主 Host** | Mammalian cells |

## 产品信息

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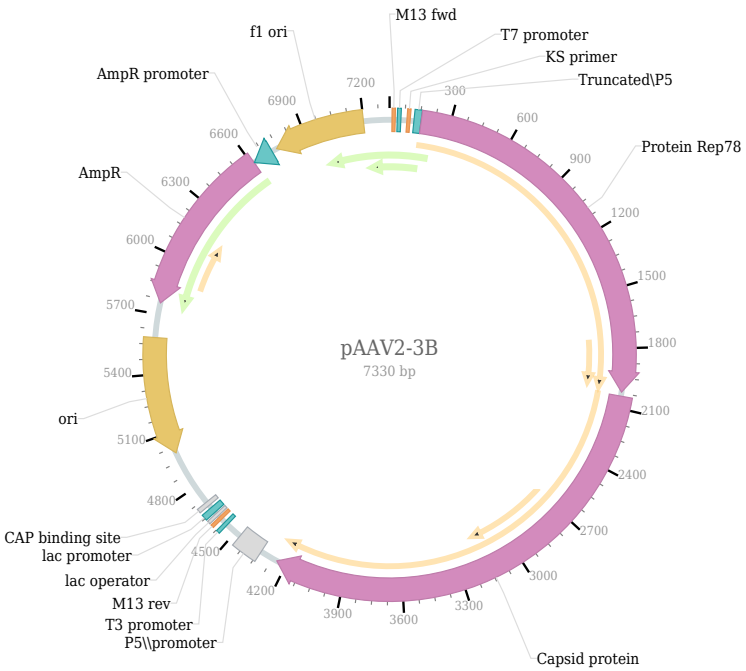
| **复制子 Replication Origin** | ori |
| **拷贝数 Copy Number** | High copy number |
| **启动子 Promoter** | Truncated P5 |
| **培养菌株 Growth Strain(s)** | DH10B |
| **培养温度 Growth Temperature** | 37℃ |
| **备注 Comment** | The pAAV2-3B vector (7330 bp) is an Adeno-Associated Virus (AAV) packaging construct designed for generating recombinant viral vectors. It contains the essential AAV components: the rep78 gene (driven by a T7 promoter) for viral replication and a gene encoding the viral shell assembly protein. For regulated gene insertion, it features the P5 promoter alongside a lac operator and CAP binding site, enabling inducible expression. The vector is equipped with an ori for bacterial replication, the Capsid prorep78 gene (driven by a T7 promoter) for viral replication, and the capsid protein and an AmpR gene for antibiotic selection in E. coli. Standard elements like T7/T3 promoters and M13 primers are included for molecular cloning, while the f1 ori allows for single-stranded DNA rescue. |

## 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 ℃.