# pCMV-dCpf1-BE0

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| **载体编号 Vector ID** | V017443 |
| **抗性 Antibiotic Resistance** | Ampicillin |
| **长度 Length** | 8142 bp |
| **载体类型 Vector Type** | Gene knockout |
| **宿主 Host** | Mammalian cells |

## 产品信息

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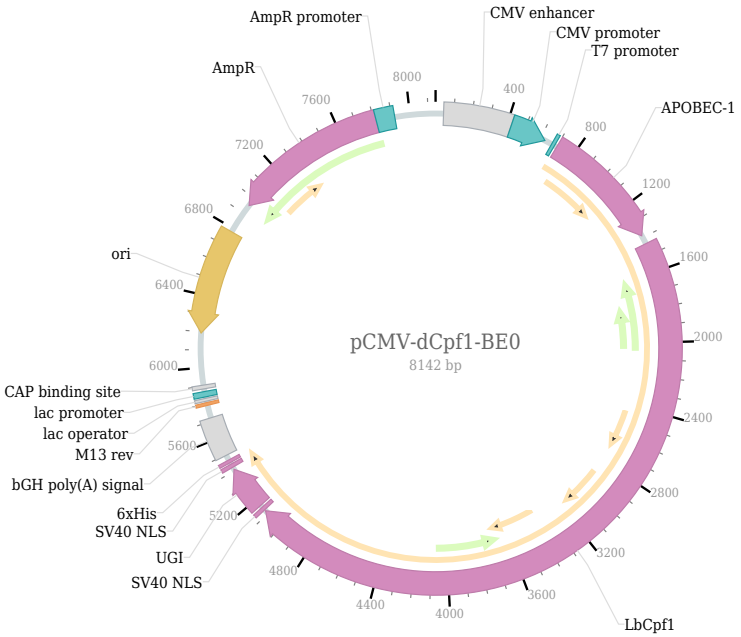
| **复制子 Replication Origin** | ori |
| **启动子 Promoter** | CMV |
| **培养菌株 Growth Strain(s)** | DH10B |
| **培养温度 Growth Temperature** | 37℃ |
| **备注 Comment** | pCMV-dCpf1-BE0 is a mammalian CMV-driven cytosine base editor plasmid carrying rat APOBEC1, catalytically dead dLbCpf1 and UGI fusion cassette. It recognizes TTTV T-rich PAMs and mediates targeted C-to-T conversion in human cells with low indel and off-target editing rates. Lacking an extra N-terminal SV40 NLS, it shows weaker editing efficiency than its upgraded derivative pCMV-dCpf1-BE. This vector serves as the foundational prototype for all optimized dCpf1-based base editing variants in the study. |

## 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 ℃.