# IVT-MCP-Phi29

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| **载体编号 Vector ID** | V037216 |
| **抗性 Antibiotic Resistance** | Ampicillin |
| **长度 Length** | 5442 bp |
| **载体类型 Vector Type** | In Vitro Transcription |
| **宿主 Host** | Bacteria |

## 产品信息

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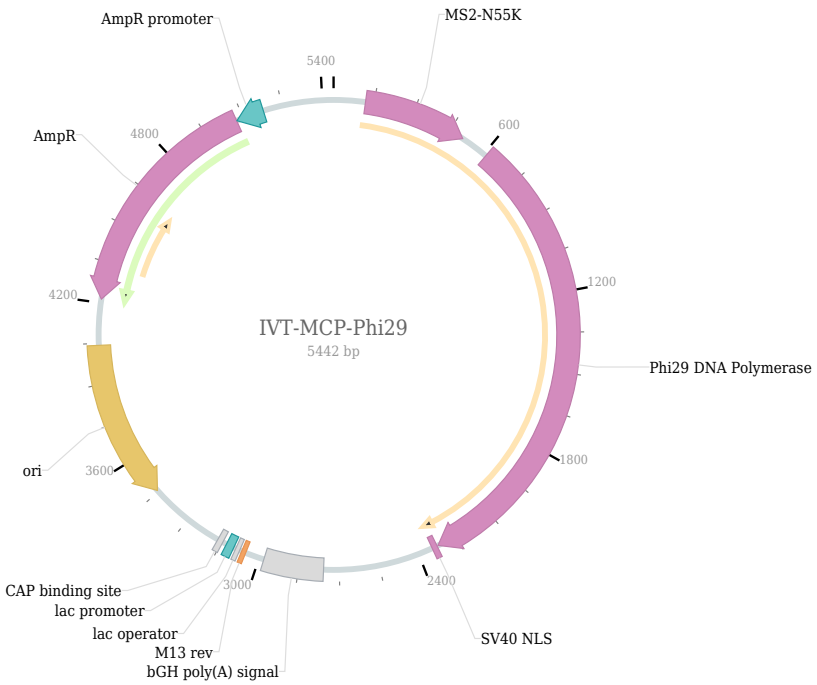
| **复制子 Replication Origin** | ori |
| **拷贝数 Copy Number** | High |
| **培养菌株 Growth Strain(s)** | NEB Stable |
| **培养温度 Growth Temperature** | 30℃ |
| **表达方式 Expression Method** | Transient |
| **备注 Comment** | IVT-MCP-Phi29 is an in vitro transcription vector designed to express an mRNA encoding the MS2 coat protein (MCP) fused to the Bacillus subtilis phage Phi29 DNA polymerase. This construct is used in DNA Polymerase Editing (DPE) to tether the polymerase to synthetic templates via an MS2 stem-loop. |

## 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 ℃.