# pLH01

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| **载体编号 Vector ID** | V016725 |
| **抗性 Antibiotic Resistance** | Chloramphenicol |
| **长度 Length** | 9199 bp |
| **载体类型 Vector Type** | Gene knockout |
| **宿主 Host** | Lactobacillus plantarum |

## 产品信息

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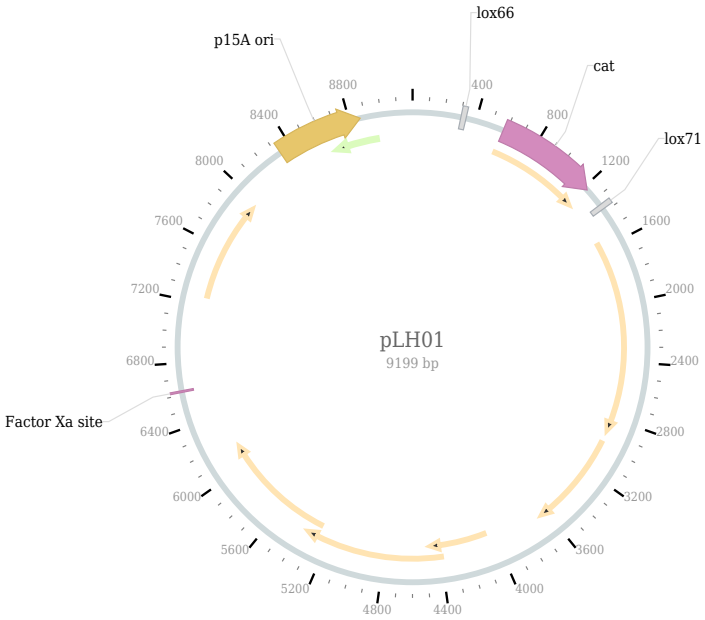
| **复制子 Replication Origin** | p15A ori |
| **培养菌株 Growth Strain(s)** | DH5a |
| **培养温度 Growth Temperature** | 37℃ |
| **备注 Comment** | pLH01 is a 9,199 bp plasmid vector designed for genetic engineering in lactic acid bacteria like Lactobacillus plantarum. It features a chloramphenicol resistance marker (12.5 μg/mL) for selection and a p15A origin of replication, making it a low-copy-number vector. It is widely used for CRISPR-based genome editing and heterologous gene expression studies in these bacterial hosts. |

## 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 ℃.