# pUCP18

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|---|---|
| **Vector ID** | V013684 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 4542 bp |
| **Vector Type** | Gene template |
| **Host** | Broad host |

## Product Information

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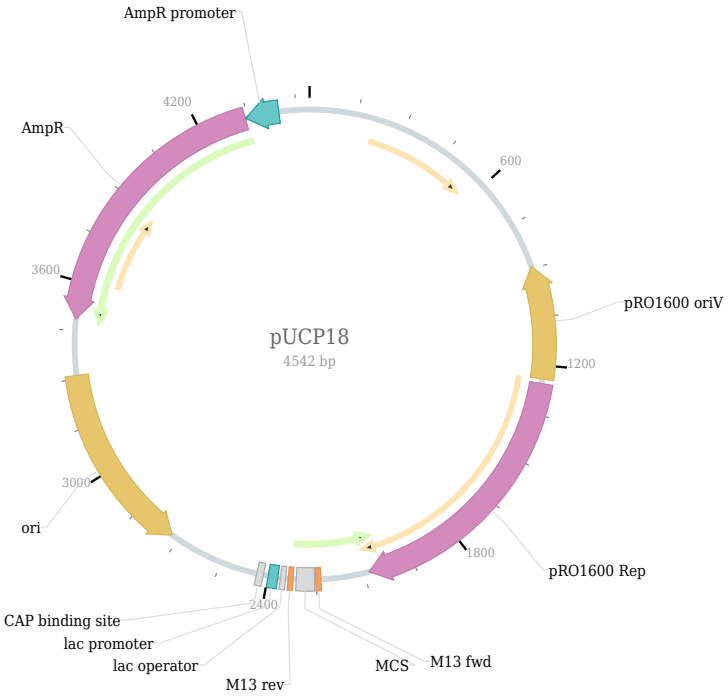
| **Replication Origin** | ori |
| **Growth Strain(s)** | DH10b |
| **Growth Temperature** | 37℃ |
| **Comment** | The pUCP18 is a broad-host-range plasmid vectors, designated to ensure stable maintenance in both Escherichia coli and Pseudomonas aeruginosa. The features are: 1. Direct and facile screening of recombinants 2. Versatile multiple cloning site, providing extensive cloning options 3. Dual utility as sequencing and expression vectors 4. Compact size, facilitating manipulation 5. Intermediate to high copy number, ensuring ample plasmid availability |

## Vector Map



## Plasmid Resuspension Protocol

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 ℃.