# pRHA-67

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| **Vector ID** | V012419 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 4745 bp |
| **Vector Type** | Cloning Vectors |

## Product Information

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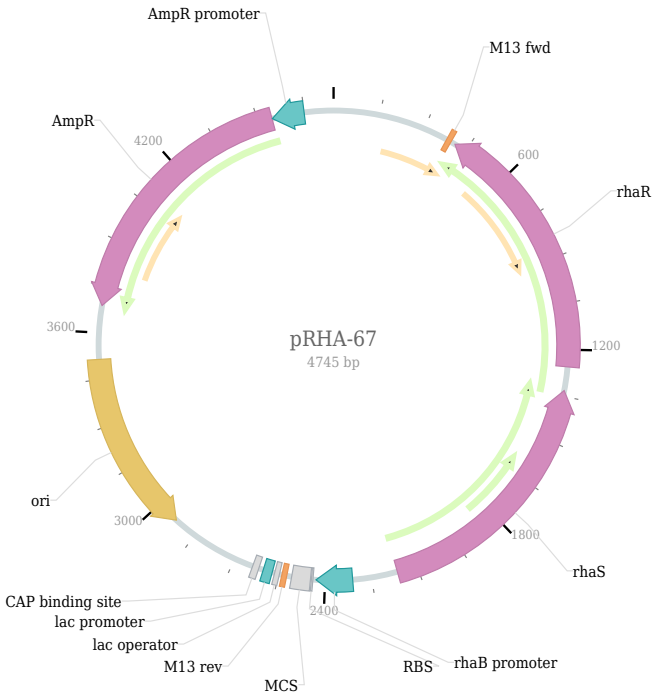
| **Replication Origin** | ori |
| **Source/Author** | Giacalone MJ, Gentile AM, Lovitt BT, Berkley NL, Gunderson CW, |
| **Copy Number** | High copy number |
| **Promoter** | rhaB |
| **3' Primer** | M13 rev |
| **Growth Temperature** | 37℃ |
| **Comment** | The pRHA-67 is designed for rhamnose-inducible protein expression in E. coli. It is based on the pUC18 backbone and contains the rhaB promoter along with its regulatory genes, rhaR and rhaS, which together enable tightly controlled gene expression in response to rhamnose. |

## 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 ℃.