# pKLD66

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| **Vector ID** | V005214 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 6608 bp |
| **Vector Type** | Expression vector |

## Product Information

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| **Replication Origin** | ori |
| **Source/Author** | Rocco CJ, Dennison KL, Klenchin VA, Rayment I, Escalante-Semerena JC. |
| **Growth Temperature** | 37℃ |
| **Comment** | The pKLD66 vector facilitates the production of a recombinant protein featuring an N-terminal His6 tag followed by a maltose-binding protein (MBP) tag in sequence. These tags can be cleaved off using TEV protease. |

## 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 ℃.