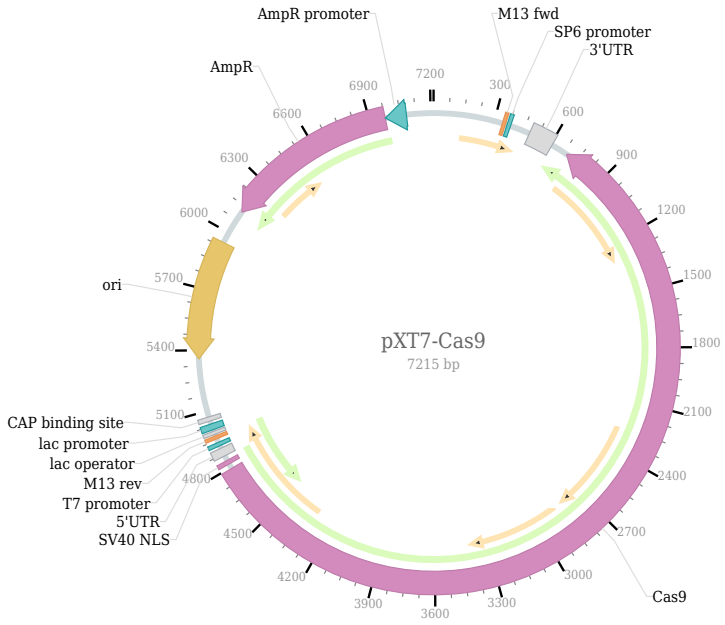
# pXT7-Cas9

| | |
|---|---|
| **Vector ID** | V016765 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 7215 bp |
| **Host** | Broad host |

## Product Information

| | |
|---|---|
| **Replication Origin** | ori |
| **Promoter** | SP6 |
| **Growth Strain(s)** | DH10B |
| **Growth Temperature** | 37℃ |
| **Comment** | The pXT7-Cas9 plasmid functions to express the Cas9 nuclease, typically under the control of a T7 promoter, for CRISPR genome editing. It enables targeted DNA double-strand breaks in cells, facilitating gene knockouts or modifications when used with a guide RNA plasmid |

## 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 ℃.