# pMTL85151

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| **Vector ID** | V004412 |
| **Antibiotic Resistance** | Chloramphenicol |
| **Length** | 3729 bp |
| **Vector Type** | Shuttle vector |

## Product Information

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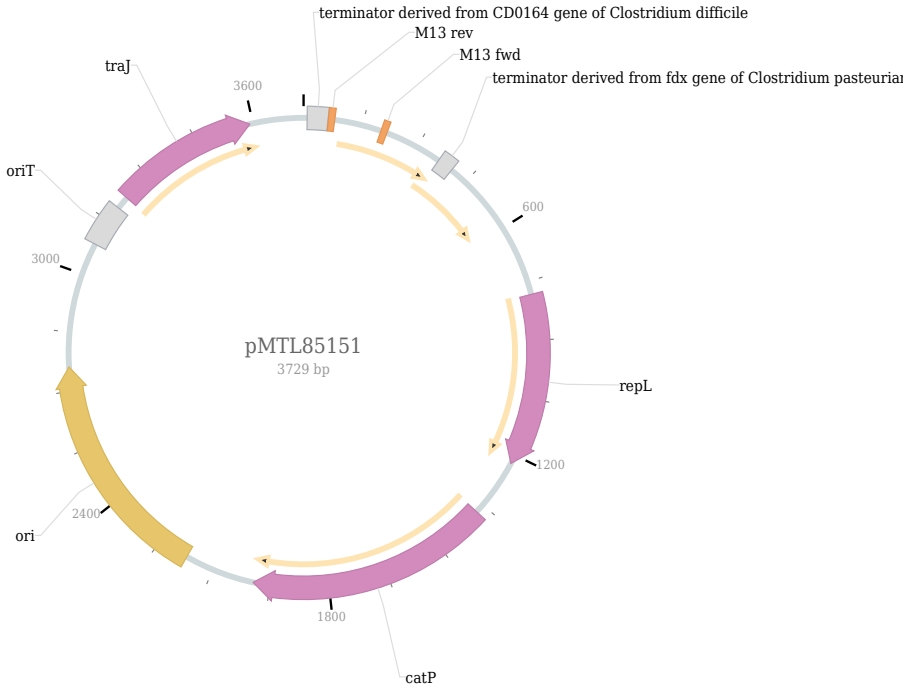
| **Replication Origin** | ori |
| **Source/Author** | Heap JT, Pennington OJ, Cartman ST, Minton NP. |
| **Growth Strain(s)** | JM109 |
| **Comment** | pMTL85151 is a shuttle plasmid designed for constructing allelic exchange vectors. It facilitates genetic manipulation within selected Clostridium perfringens strains exhibiting high transformation efficiency, thereby validating its utility in enhancing gene transfer efficacy. |

## 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 ℃.