# pTRCmob

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| **Vector ID** | V013072 |
| **Antibiotic Resistance** | Kanamycin |
| **Length** | 6435 bp |
| **Host** | Corynebacterium glutamicum |

## Product Information

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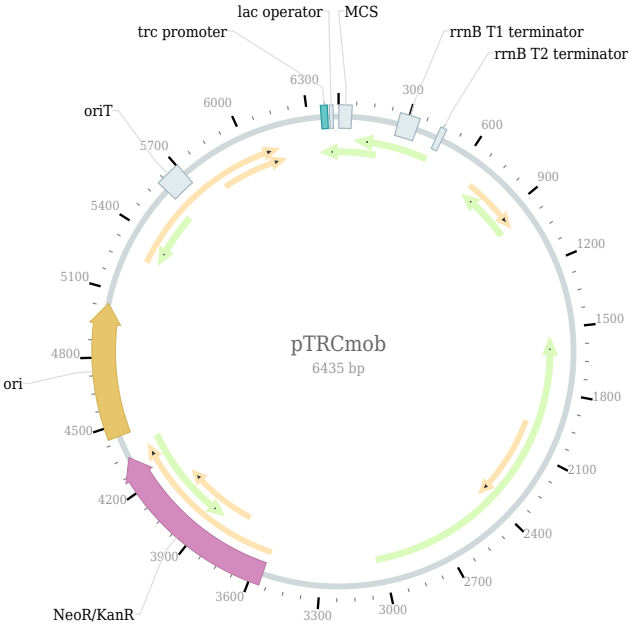
| **Replication Origin** | ori |
| **Promoter** | trc |
| **Growth Strain(s)** | DH10B |
| **Growth Temperature** | 37℃ |
| **Comment** | pTRCmob is a Escherichia coli–Corynebacterium glutamicum shuttle expression vector. It pairs the pGA1 replicon (~30 copies/cell) with a ColE1-type E. coli ori and a kanamycin marker selectable in both hosts. A derepressed Ptrc promoter lacking lacI gives constitutive, IPTG-independent expression of MCS-cloned genes; the mob region allows conjugal transfer. Delivered by electroporation, it serves overexpression and complementation studies in amino-acid producers. |

## 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 ℃.