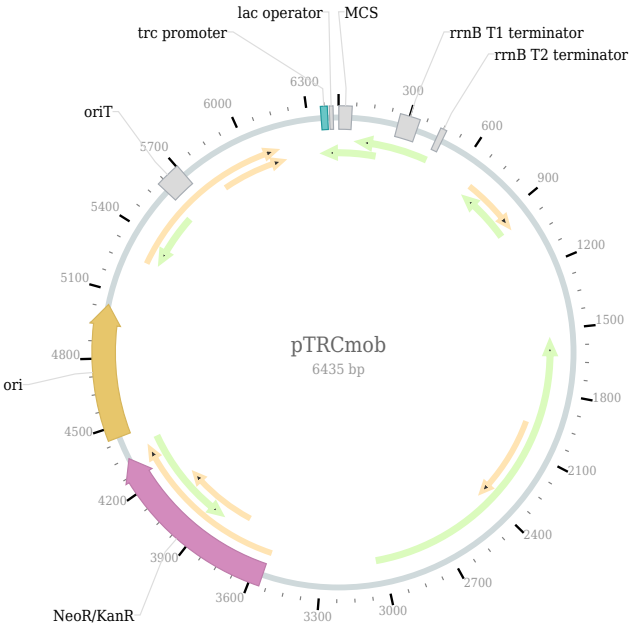
pTRCmob

载体编号 Vector ID	V013072
抗性 Antibiotic Resistance	Kanamycin
长度 Length	6435 bp
宿主 Host	Corynebacterium glutamicum

产品信息

复制子 Replication Origin	ori
启动子 Promoter	trc
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 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.

质粒图谱



复溶方法

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 ℃.