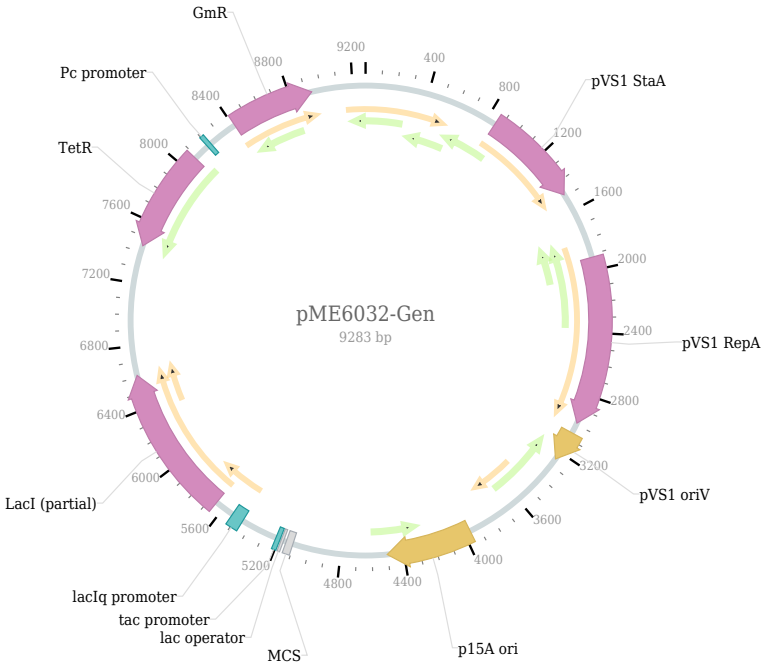
pME6032-Gen

载体编号 Vector ID	V015006
抗性 Antibiotic Resistance	Gentamicin
长度 Length	9283 bp
载体类型 Vector Type	Protein expression
宿主 Host	Broad host

产品信息

复制子 Replication Origin	p15A ori
拷贝数 Copy Number	Low
启动子 Promoter	Tac
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	The pME6032-Gen plasmid is a broad-host-range vector designed for protein expression in prokaryotic systems. It carries the Tac promoter for inducible expression and utilizes the p15A origin for low-copy replication, ensuring stable maintenance in bacterial hosts like E. coli DH5α.This plasmid is engineered with Geneticin (Gen) resistance as a selectable marker and supports cloning of open reading frames (ORFs) for heterologous protein production.Its compatibility with diverse bacterial species, including Pseudomonas, makes it suitable for functional studies, such as metabolic pathway analysis and biosensor construction

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 ℃.