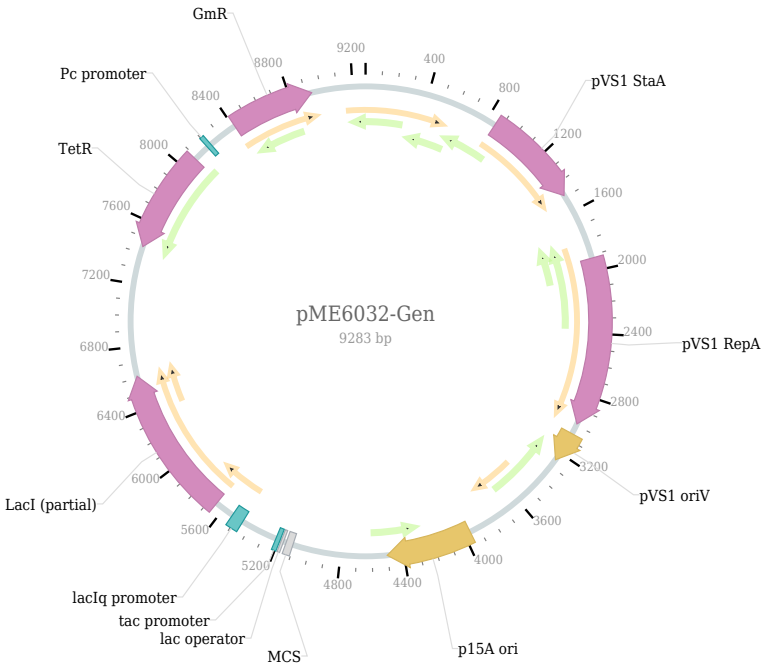
pME6032-Gen

Vector ID	V015006
Antibiotic Resistance	Gentamicin
Length	9283 bp
Vector Type	Protein expression
Host	Broad host

Product Information

Replication Origin	p15A ori
Copy Number	Low
Promoter	Tac
Growth Strain(s)	DH10B
Growth Temperature	37℃
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

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 ℃.