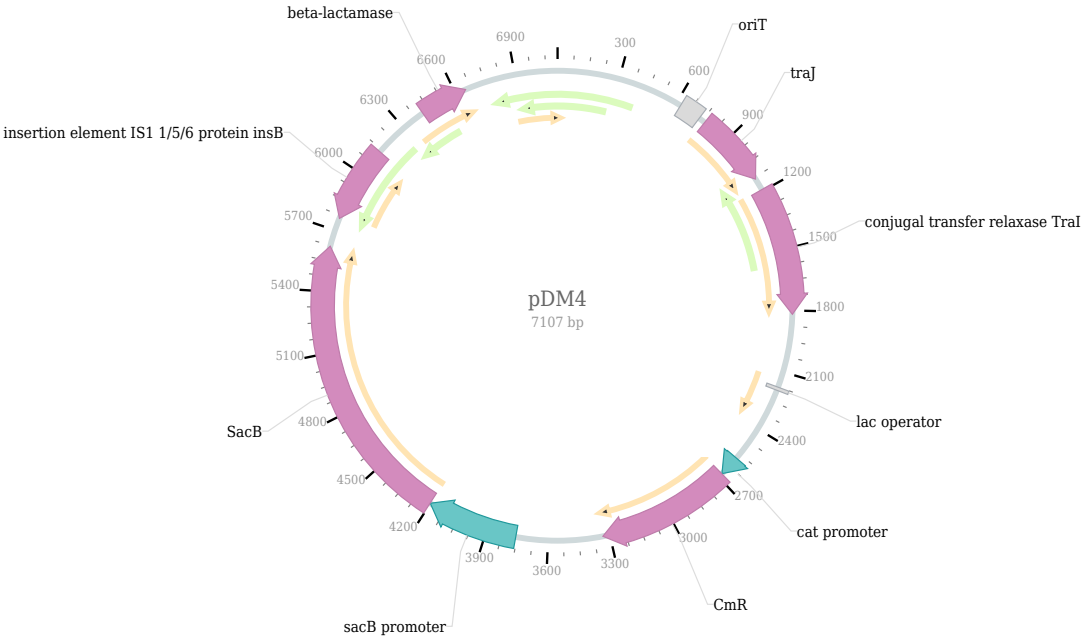
pDM4

Vector ID	V007969
Antibiotic Resistance	Chloramphenicol
Length	7107 bp
Vector Type	Cloning vector

Product Information

Replication Origin	R6K γ ori
Source/Author	Mou X, Spinard EJ, Driscoll MV, Zhao W, Nelson DR.
Selection Marker	SacB
Copy Number	Low copy number
Promoter	sacB
Growth Strain(s)	DH5α-λpir
Growth Temperature	37℃
Comment	pDM4 plasmid is a suicidal vector, which needs the strain containing pir gene. It is a derivative of plasmid pNQ705, a chloramphenicol-resistant derivative of the pGP704 vector that contains the oriV replicon originally from the plasmid R6K.

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 ℃.