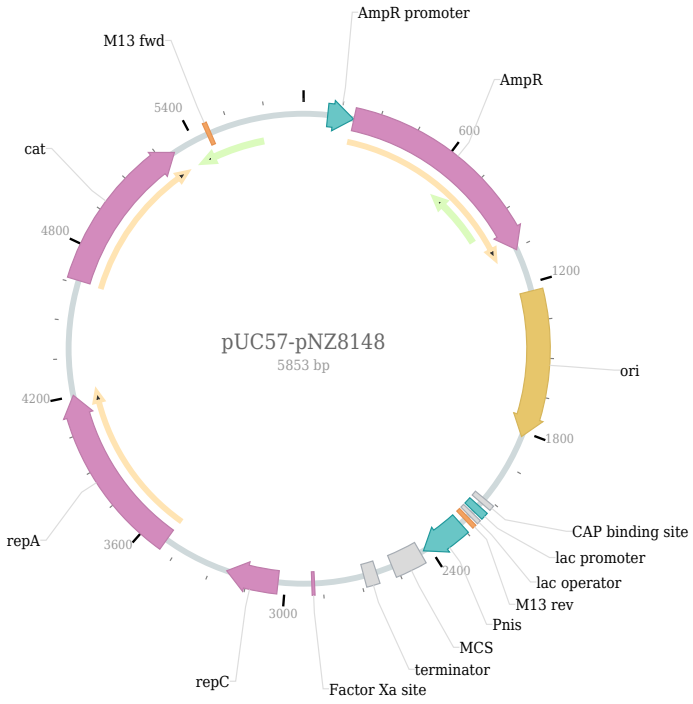
pUC57-pNZ8148

Vector ID	V013967
Antibiotic Resistance	Ampicillin
Length	5853 bp
Vector Type	Protein expression
Host	Lactic acid bacteria

Product Information

Replication Origin	ori
Selection Marker	Chl
Copy Number	High copy number
Promoter	PnisA
Growth Strain(s)	Top10
Growth Temperature	37℃
Comment	pUC57-pNZ8148 is a shuttle vector for cloning in E. coli and inducible expression in Lactococcus lactis. Key features include dual origins of replication (ColE1 and pSH71), dual antibiotic resistance (Amp⁺ and Cm⁺), and the nisin-inducible nisA promoter system. The pNZ8148 is the original vector.

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 ℃.