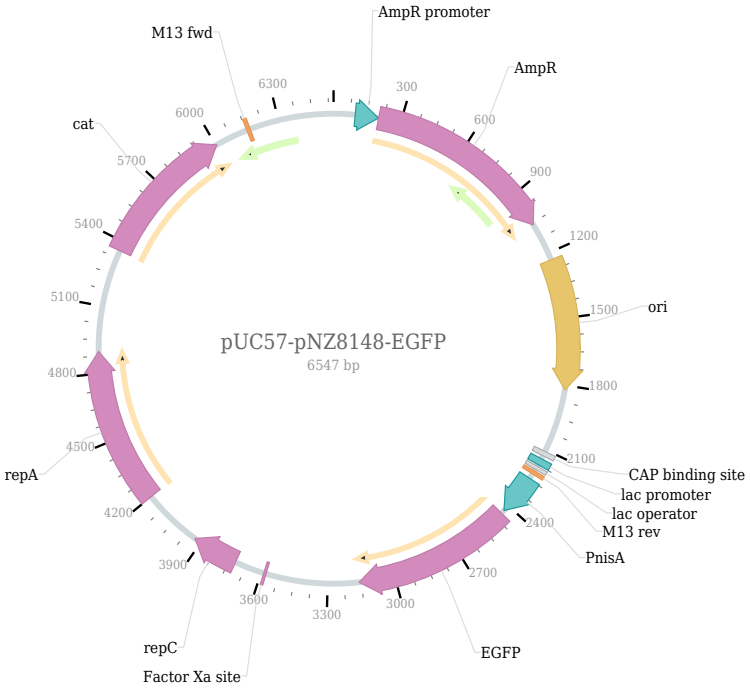
pUC57-pNZ8148-EGFP

Vector ID	V014299
Antibiotic Resistance	Ampicillin
Length	6547 bp
Vector Type	Protein expression
Host	Lactic acid bacteria

Product Information

Replication Origin	ori
Selection Marker	Chl
Promoter	PnisA
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pUC57-pNZ8148-EGFP is an assembly vector combining pUC57 and pNZ8148 elements for EGFP expression in lactic acid bacteria. The pNZ8148-derived NICE system places EGFP under nisA promoter control for nisin-inducible expression, enabling fluorescent labeling of Lactococcus lactis and related Gram-positive hosts.

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 ℃.