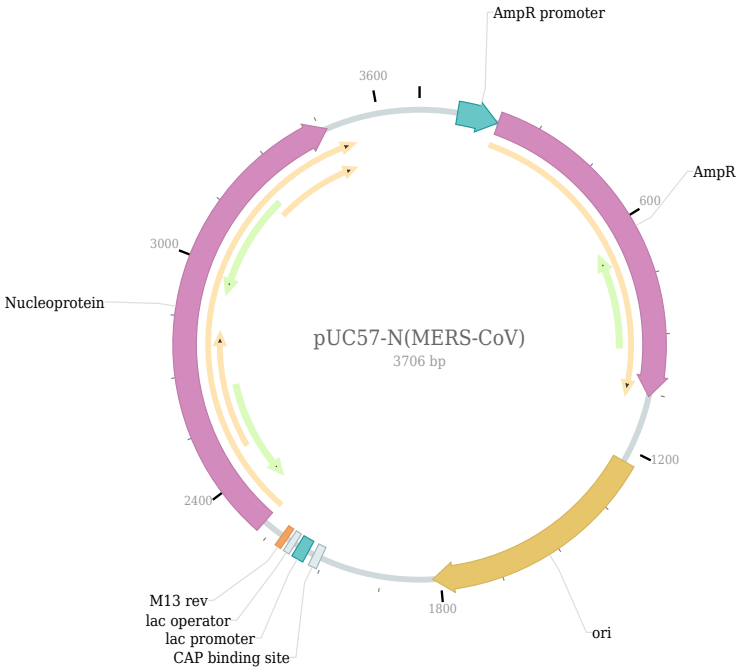
pUC57-N(MERS-CoV)

Vector ID	V013757
Antibiotic Resistance	Ampicillin
Length	3706 bp
Vector Type	Gene template
Host	E. coli

Product Information

Replication Origin	ori
Promoter	lac
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pUC57-N(MERS-CoV) is a recombinant plasmid used as a molecular tool in coronavirus research. It contains the full-length nucleocapsid (N) gene of the Middle East Respiratory Syndrome Coronavirus (MERS-CoV), which is one of the virus's essential structural proteins. This plasmid serves as a stable template for experiments requiring the N gene, such as detecting the virus via PCR-based methods, studying its function, and investigating host immune responses.

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 ℃.