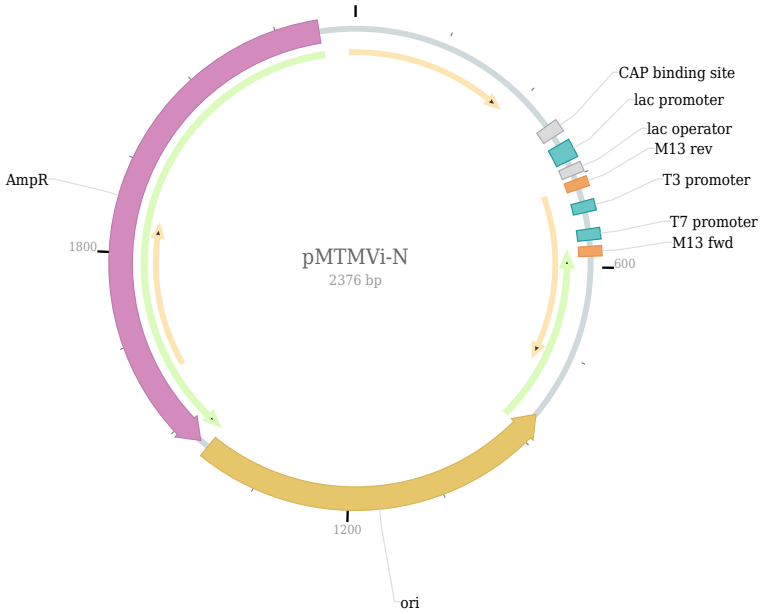
pMTMVi-N

Vector ID	V016603
Antibiotic Resistance	Ampicillin
Length	2376 bp
Vector Type	Gene template
Host	E. coli

Product Information

Replication Origin	ori
Promoter	T3
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pMTMVi-N is a 2376 bp minimal intermediate TMV entry plasmid with ampicillin resistance. It adopts Gibson assembly to rapidly insert target gene ORFs and supports fusion with peptide tags, carrying LacZ for blue-white screening. Its modified TMV fragment replaces most coat protein sequence, generating non-systemic recombinant viral clones after subcloning into pGTMV. Digestion with BsaI or PCR amplifies its edited viral segment for a second Gibson assembly into the TMV infectious binary vector pGTMV.

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 ℃.