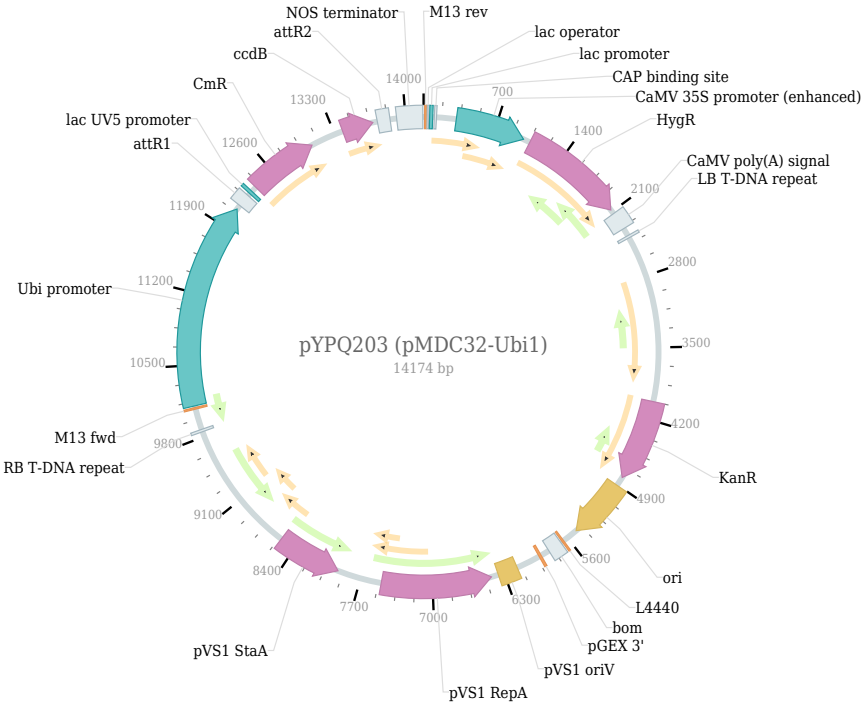
pYPQ203 (pMDC32-Ubi1)

Vector ID	V006520
Antibiotic Resistance	Chloramphenicol, Kanamycin
Length	14174 bp
Vector Type	Plant Expression ; Gateway compatible attR1-attR2

Product Information

Replication Origin	ori
Selection Marker	Hygromycin
Copy Number	High Copy
Promoter	Ubi
Cloning Method	Restriction Enzyme
Growth Strain(s)	DB3.1
Comment	pYPQ203 (pMDC32-Ubi1) is a Gateway-compatible T-DNA destination vector built for plant CRISPR–Cpf1 systems. It assembles Cpf1 and ribozyme-processed crRNA entry fragments through 1-5-2 multisite LR recombination. The vector carries maize ubiquitin promoter and hygromycin selection marker within T-DNA for rice and Arabidopsis transformation. Its ccdB counterselection cassette eliminates unreacted empty plasmids after recombination assembly.

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 ℃.