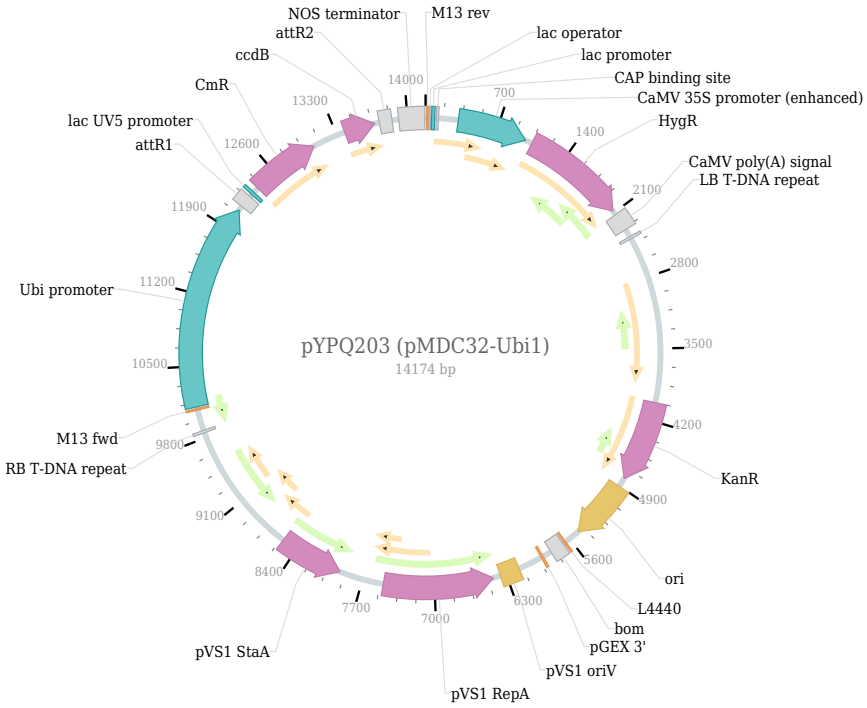
pYPQ203 (pMDC32-Ubi1)

载体编号 Vector ID	V006520
抗性 Antibiotic Resistance	Chloramphenicol, Kanamycin
长度 Length	14174 bp
载体类型 Vector Type	Plant Expression ; Gateway compatible attR1-attR2

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Hygromycin
拷贝数 Copy Number	High Copy
启动子 Promoter	Ubi
克隆方法 Cloning Method	Restriction Enzyme
培养菌株 Growth Strain(s)	DB3.1
备注 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.

质粒图谱



复溶方法

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 ℃.