pQE-31

Vector ID	V010793
Antibiotic Resistance	Ampicillin
Length	3463 bp
Vector Type	Qiagen Vectors

Product Information

Replication Origin	ori
Source/Author	Qiagen
Copy Number	High copy number
Promoter	T5
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pQE-31 is a reading-frame variant (B) of the pQE-30/-31/-32 family: T5 promoter with dual lac operators plus an N-terminal 6xHis tag. The three-frame MCS design allows in-frame fusion of any gene for IPTG-inducible expression and Ni-NTA purification in E. coli.

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 ℃.