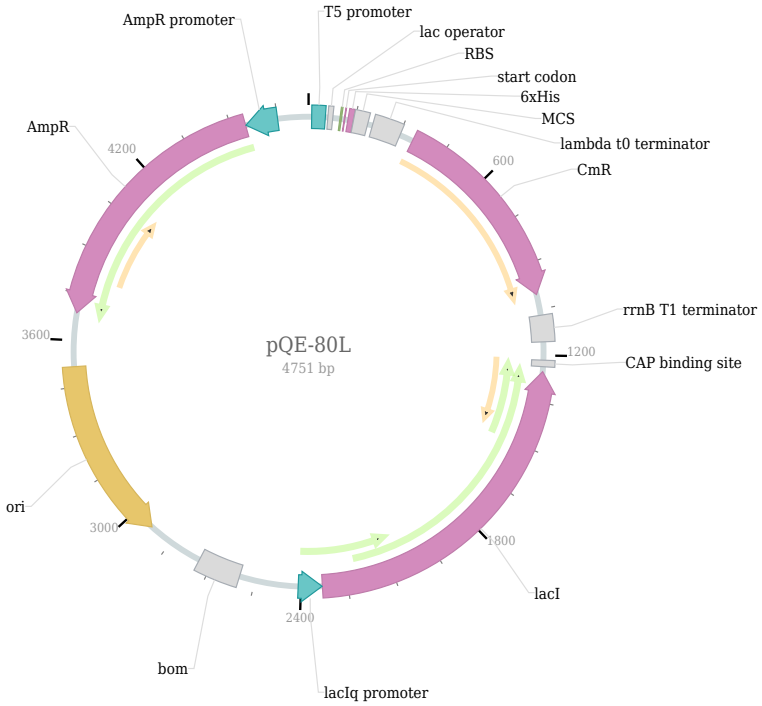
pQE-80L

Vector ID	V010777
Antibiotic Resistance	Ampicillin
Length	4751 bp
Vector Type	E. coli protein expression

Product Information

Replication Origin	ori
Source/Author	Qiagen
Copy Number	High copy number
Growth Strain(s)	JM108
Growth Temperature	37℃
Comment	The pQE-80L is an E. coli protein expression vector. It is 4751 bp in size and features a T5 promoter controlled by a lac operator for IPTG-inducible expression. The vector provides an N-terminal 6xHis tag for recombinant protein purification and carries an ampicillin resistance gene for selection. A key feature is the presence of the lacIq gene on the vector, which allows for tight repression and enables its use in a wide range of E. coli host strains without requiring additional repressor plasmids.

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 ℃.