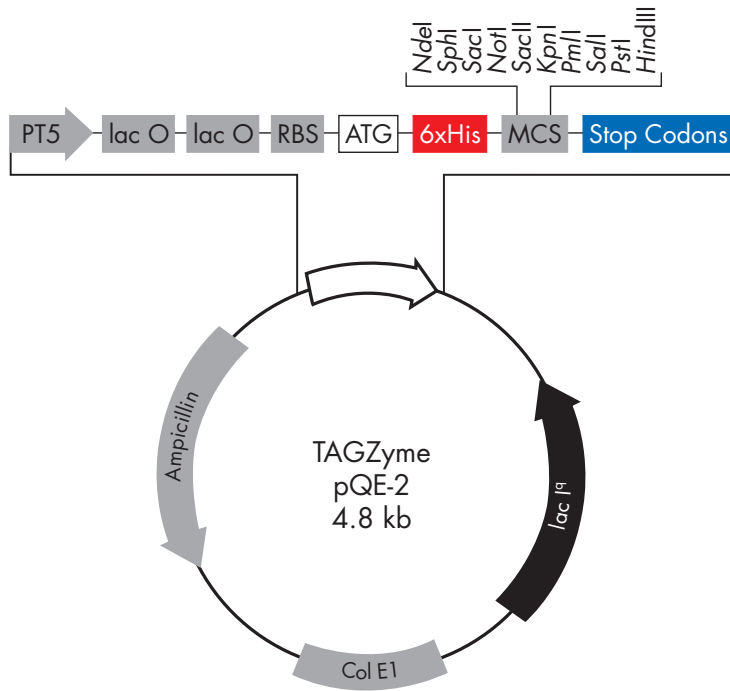


# pQE-2 Vector

- PT5:** T5 promoter
- lac O:** *lac* operator
- RBS:** Ribosome-binding site
- ATG:** Start codon
- 6xHis:** 6xHis tag sequence
- MCS:** Multiple cloning site
- Stop Codons:** In all 3 reading frames
- Col E1:** Col E1 origin of replication
- Ampicillin:** Ampicillin resistance gene
- lac<sup>q</sup>:** *lac<sup>q</sup>* repressor gene



*NdeI*
*SphI*
*SacI*
*NotI*
*SacII*
*KpnI*
*PmlI*
*SalI*
*PstI*
*HindIII*

CAT ATG CAT GCG GGA GCT CAT GCG GCC GCG GGT ACC CAC GTG TCG ACC TGC AGC CAA GCT T

M K H H H H H H H M H A G A H A A A G T H V S T C S Q A