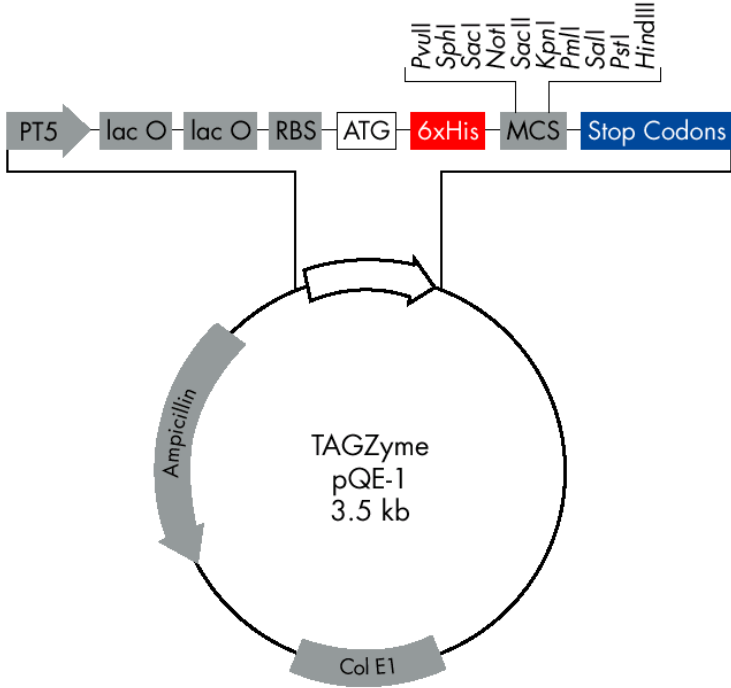


# pQE-1 Vector

- 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>A</sup>:** lac<sup>A</sup> repressor gene



PvuII      SphI      SacI      NotI      SacII      KpnI      PmlI      Sall      PstI      HindIII  
 CAG CTG CAT GCG GGA GCT CAT GCG GCC GCG GGT ACC CAC GTG TCG ACC TGC AGA AGC TT  
**MK HH HH HH ↓ Q stop**