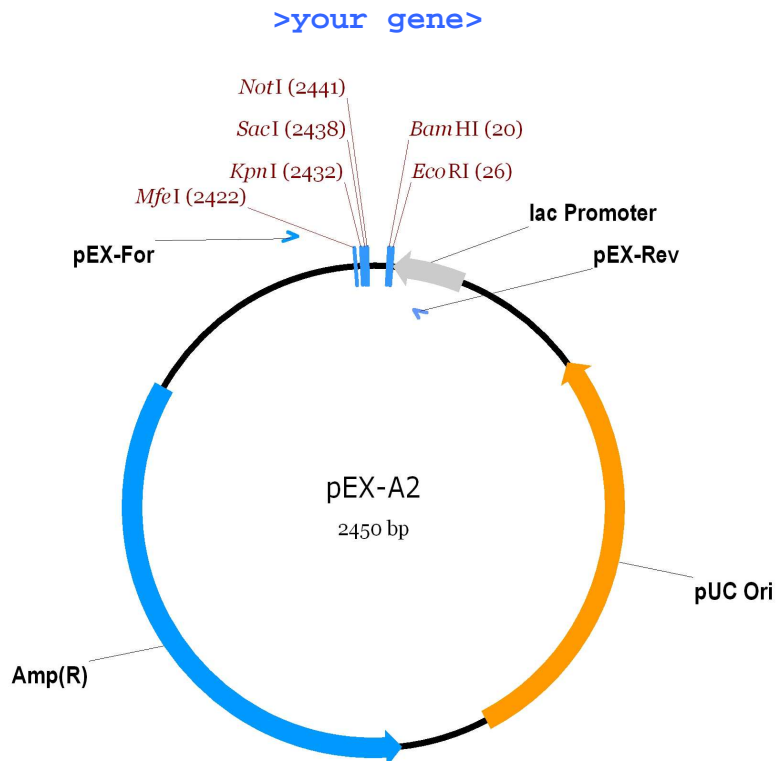


pEX-A2 vector map and multiple cloning site



MCS of pEX-A2

```

GGAGCAGACAAGCCCGTCAGGGCGCGTCAGCGGGTGTGTTGGCGGGTGTTCGGGGC
TGGCTTAACTATGCGGCATCAGAGCAGATTGTA CTGAGAGTGCACcaattgGG
TACCgagctcGCGGCCGCAAGC>your_gene>ACCTGCTTTTGCTCGCTTgg
atccGAATTCCCTGTGTGAAATTGTTATCCGCTCACAATTCCACACAACATACG
AGCCGGAAGCATAAAGTGTAAGCCTG
  
```

Start point: gene insertion site

(A of ACCT 3' of "your gene" is bp no. 1)

Multiple Cloning Site: bases 2421 - 30

lac Promoter: bases 28 - 143

pUC origin: bases 360 - 1033

Ampicillin resistance ORF: bases 1178 - 2039

pEX-For priming site: bases 2323 - 2343

pEX-Rev priming site: bases 75 - 100