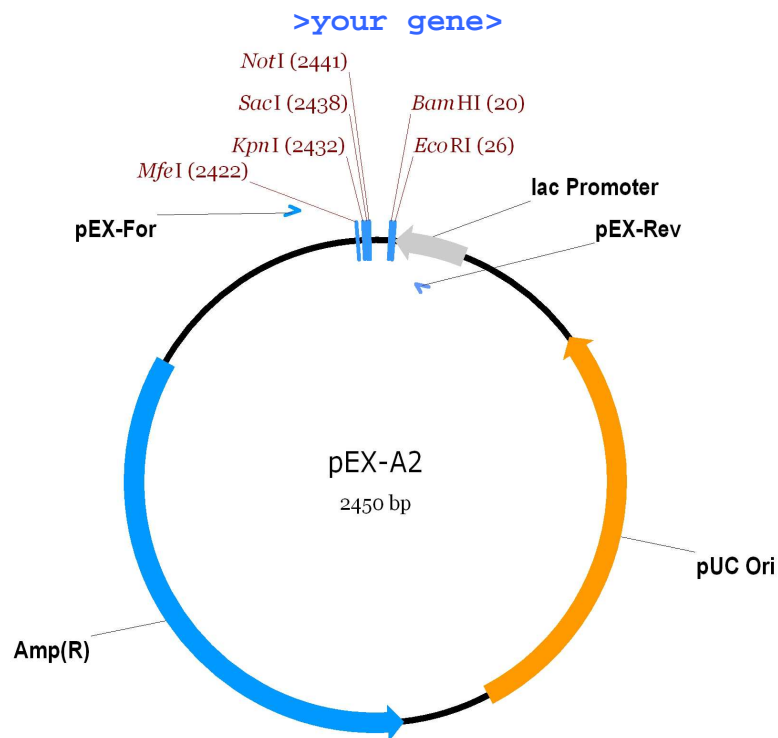# pEX-A2 vector map, multiple cloning site and full sequence

MCS of pEX-A2

GGAGCAGACAAGCCCGTCAGGGCGCGTCAGCGGGTGTTGGCGGGTGTCGGGGC

TGGCTTAACTATGCGGCATCAGAGCAGATTGTACTGAGAGTGCACcaattgGG

TACCgagctcGCGGCCGCAAGC>your_gene>ACCTGCTTTTGCTCGCTTgg

atccGAATTCCTGTGTGAAATTGTTATCCGCTCACAATTCCACACAACATACG

AGCCGGAAGCATAAAGTGTAAAGCCTG

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

Full Sequence of pEX-A2 (2450 bp)

(1)
_YOUR_GENE_acctgcttttgctcgcttggatccgaattcctgtgtgaaattgttatccgc
tcacaattccacacaacatacgagccggaagcataaagtgtaaagcctggggtgcctaatga
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tactgagagtgcaccaattgggtaccgagctcgcggccgcaagc (2450)