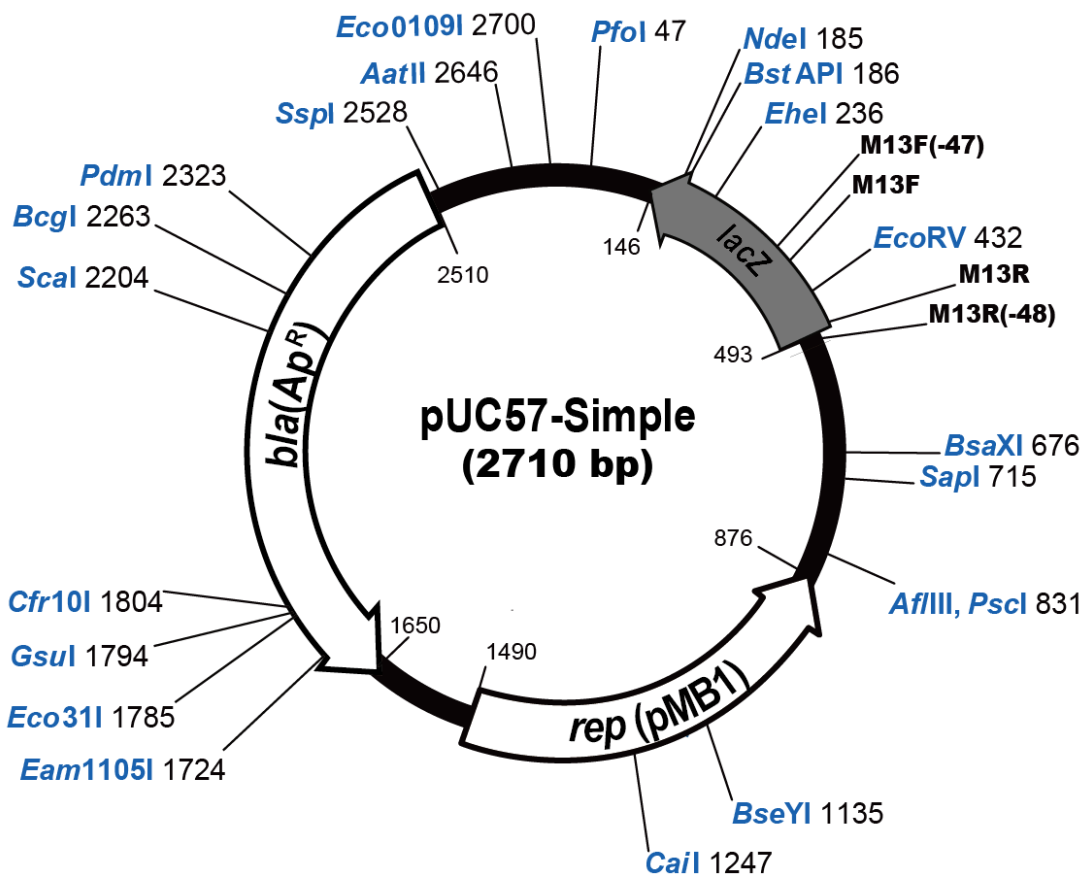


## pUC57-Simple Vector Map



### Multiple Cloning Sites:

$\xrightarrow{\text{M13F (-47)}}$ 
 $\xrightarrow{\text{M13F}}$   
 5' C GCC AGG GTT TTC CCA GTC ACG ACG TTG TAA AAC GAC GGC CAG TGA ATT GGA GAT CGG TAC TTC GCG AAT GCG  
 3' G CGG TCC CAA AAG GGT CAG TGC TGC AAC ATT TTG CTG CCG GTC ACT TAA CCT CTA GCC ATG AAG CGC TTA CGC  
 LacZ ← Asn Glu Trp Asp Arg Arg Gln Leu Val Val Ala Leu Ser Asn Ser Ser Pro Val Glu Arg Ile Cys

$\xrightarrow{\text{EcoRV}}$   
 TCG **AGA TAT CGG** ATG CCG GGA CCG ACG AGT GCA GAG GCG TGC AAG CGA GCT TGG CGT AAT CAT GGT CAT AGC TGT  
 AGC TCT ATA GCC TAC GGC CCT GGC TGC TCA CGT CTC CGC ACG TTC GCT CGA ACC GCA TTA GTA CCA GTA TCG ACA  
 Arg Ser Ile Pro Asp Arg Ala Arg Arg Ser Cys Leu Gly Ala His Leu Ser Pro Thr Ile Met Thr Met  
← M13R

TTC CTG TGT GAA ATT GTT ATC CGC T 3'  
 AAG GAC ACA CTT TAA CAA TAG GCG A 5'  
 $\xleftarrow{\text{M13R (-48)}}$

**M13F (-47): 5'-d (CGC CAG GGT TTT CCC AGT CAC GAC)-3'**

**M13F: 5'-d (GTA AAA CGA CGG CCA G)-3'**

**M13R: 5'-d (CAG GAA ACA GCT ATG AC)-3'**

**M13R (-48): 5'-d (AGC GGA TAA CAA TTT CAC ACA GGA)-3'**

## pUC57-Simple Sequence (2710 bp):

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