

pUC19-Rm-GFP

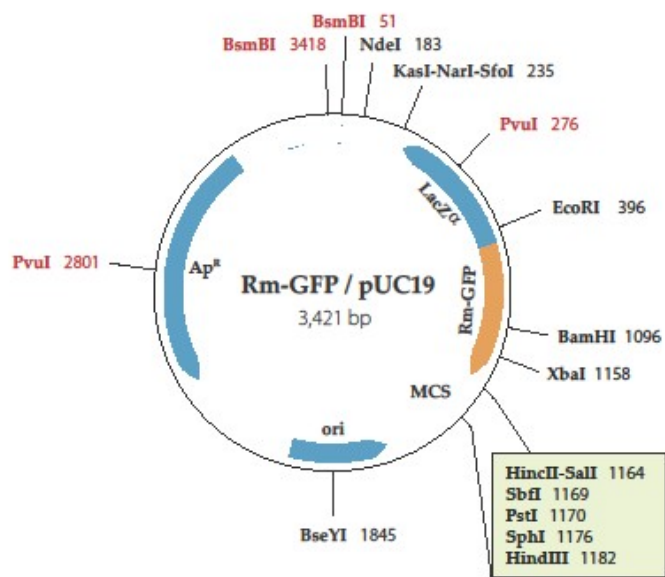
Renilla mullerie GFP - coding sequence in green, ATG start codon in **bold**
 Key restriction enzymes are underlined
 PUC19 sequences in blue

GAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTACGCCAAGCTTGCATGCCTGCAGGTCGACTCTAGA/T
 TAGTGATGGTGATGGTGATGAACCCATTCGTGTAAGGATCCTAGTGGTTTTCTATAGATGTCATTTGAGCAATAGCAGT
 CTCATGCTGTTCAACGAACCCCGTCTTCTACGTAAGTCTTTTCCAAACGATGTTGAATAAAAATGATACGAAGGAAACT
 CCTTTACTACACCTTTTCGACTTCATTAATGTTTTTCATGTGACATGAATAATATTTCCAGAGTTTAGTTTATAGACAAGA
 ATTACTTCGCCGACCAAGACGCCATTATTCATGTACATGGCTTCAAATGAAGGCTCTATTCCTAAGATAGTCTTCTGCAT
 GACGGGACCATCATCCGGGAAGTTACTACCTTTGTATTCCACTCTGTAGACGAACTTGTCTTCTATTAATAATTTATATCTG
 AACGAATTTCAACAAGTCCGCCATCTTCGTAACGTAATGTTTCGTTCAATATAAATCCTGCTGGAAATGATTGTATAAAA
 TAATCTGATATATCATTTCGGATATTTTCGTGAAAGTACGGTTGCCATATTGAAAAGCTGGTGACACAATATCAAATGCAAA
 AGGCAGTGGGGCCCTTTTCGTGACACGAATCTGAACAGTTGATTGCCGAATAAATATTTCCCTTTGCCGCAACCCCTCCA
 TTGTAAAAACATGGTTGTTTACAATTCCTTCCAGATTTACTTTTATACGACATTACTTCTTGTAAACAAGTGTTCCTCAAT
 ATTTGTTTACT**CAT**TTTGAATTC**ACTGGCCGTCGTTTTACAACGTCGTGACTGGGAAAACCCCTGGCGTTACCCA**ACTTAA
 TCGCCTTGCAGCACATCCCCCTTTCCGCCAGCTGGCGTAATAGCG

Coding Sequence:

814 atgagtaaacaatatattgaagaacacttgtttacaagaagtaatg
 M S K Q I L K N T C L Q E V M
 769 tcgtataaagtaaactctggaaggaattgtaaacaaccatgTTTT
 S Y K V N L E G I V N N H V F
 724 acaatggagggttgccgcaaggggaatattttattcggcaatcaa
 T M E G C G K G N I L F G N Q
 679 ctggttcagattcgtgtcacgaaaggggccccactgccttttgca
 L V Q I R V T K G A P L P F A
 634 tttgatattgtgtcaccagcttttcaatatggcaaccgtactttc
 F D I V S P A F Q Y G N R T F
 589 acgaaatatccgaatgatataatcagattattttatacaatcattt
 T K Y P N D I S D Y F I Q S F
 544 ccagcaggatttatgtatgaacgaacattacggttacgaagatggc
 P A G F M Y E R T L R Y E D G
 499 ggacttgttgaaattcgttcagatataaatttaatagaagacaag
 G L V E I R S D I N L I E D K
 454 ttcgtctacagagtggaaatacaaaggtagtaacttcccggatgat
 F V Y R V E Y K G S N F P D D
 409 ggtcccgtcatgcagaagactatcttaggaatagagccttcattt
 G P V M Q K T I L G I E P S F
 364 gaagccatgtacatgaataatggcgtcttggctcggcgaagtaatt
 E A M Y M N N G V L V G E V I
 319 cttgtctataaactaaactctgggaaatattattcatgtcacatg
 L V Y K L N S G K Y Y S C H M

274 aaaacattaatgaagtcgaaaggtgtagtaaaggagtttccttcg
 K T L M K S K G V V K E F P S
 229 tatcattttattcaacatcgtttggaaaagacttacgtagaagac
 Y H F I Q H R L E K T Y V E D
 184 ggggggttcggtgaacagcatgagactgctattgctcaaagaca
 G G F V E Q H E T A I A Q M T
 139 tctatagaaaaccactaggatccttacacgaatgggttcacac
 S I G K P L G S L H E W V H H
 94 catcaccatcactaa 80
 H H H H *



Red colored restriction sites: Multiple cutters
 Black colored restriction sites: Single cutters