RPL23:Luc:RPL23

LoxP recognizition sequence

Kan resistance

RPL23 Flanking region

cgLuc

Underlined: Restriction sequence to clone GOI

ATAACTTCGTATAATGTATGCTATACGAAGTTATGGTACCGCGGCCGCGTAGAGGATCTGTTGATCAGCAGTTCAACCTG

TTGATAGTACGTACTAAGCTCTCATGTTTCACGTACTAAGCTCTCATGTTTAACGTACTAAGCTCTCATGTTTAACGAAC

TAAACCCTCATGGCTAACGTACTAAGCTCTCATGGCTAACGTACTAAGCTCTCATGTTTCACGTACTAAGCTCTCATGTT

TGAACAATAAAATTAATATAAATCAGCAACTTAAATAGCCTCTAAGGTTTTAAGTTTTATAAGAAAAAAAAGAATATATA

AGGCTTTTAAAGCTTTTAAGGTTTAACGGTTGTGGACAACAAGCCAGGGATGTAACGCACTGAGAAGCCCTTAGAGCCTC

TCAAAGCAATTTTGAGTGACACAGGAACACTTAACGGCTGACATGGGAATTAGCTTCACGCTGCCGCAAGCACTCAGGGC

GCAAGGGCTGCTAAAGGAAGCGGAACACGTAGAAAGCCAGTCCGCAGAAACGGTGCTGACCCCGGATGAATGTCAGCTAC

TGGGCTATCTGGACAAGGGAAAACGCAAGCGCAAAGAGAAAGCAGGTAGCTTGCAGTGGGCTTACATGGCGATAGCTAGA

CTGGGCGGTTTTATGGACAGCAAGCGAACCGGAATTGCCAGCTGGGGCGCCCTCTGGTAAGGTTGGGAAGCCCTGCAAAG

TAAACTGGATGGCTTTCTTGCCGCCAAGGATCTGATGGCGCAGGGGATCAAGATCTGATCAAGAGACAGGATGAGGATCG

TTTCGCATGATTGAACAAGATGGATTGCACGCAGGTTCTCCGGCCGCTTGGGTGGAGAGGCTATTCGGCTATGACTGGGC

ACAACAGACAATCGGCTGCTCTGATGCCGCCGTGTTCCGGCTGTCAGCGCAGGGGCGCCCGGTTCTTTTTGTCAAGACCG

ACCTGTCCGGTGCCCTGAATGAACTGCAGGACGAGGCAGCGCGGCTATCGTGGCTGGCCACGACGGGCGTTCCTTGCGCA

GCTGTGCTCGACGTTGTCACTGAAGCGGGAAGGGACTGGCTGCTATTGGGCGAAGTGCCGGGGCAGGATCTCCTGTCATC

TCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGGCGGCTGCATACGCTTGATCCGGCTACCTGCC

CATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCACGTACTCGGATGGAAGCCGGTCTTGTCGATCAGGATGATCTG

GACGAAGAGCATCAGGGGCTCGCGCCAGCCGAACTGTTCGCCAGGCTCAAGGCGCGCATGCCCGACGGCGAGGATCTCGT

CGTGACACATGGCGATGCCTGCTTGCCGAATATCATGGTGGAAAATGGCCGCTTTTCTGGATTCATCGACTGTGGCCGGC

TGGGTGTGGCGGACCGCTATCAGGACATAGCGTTGGCTACCCGTGATATTGCTGAAGAGCTTGGCGGCGAATGGGCTGAC

CGCTTCCTCGTGCTTTACGGTATCGCCGCTCCCGATTCGCAGCGCATCGCCTTCTATCGCCTTCTTGACGAGTTCTTCTG

AGCGGGACTCTGGGGTTCGAAATGACCGACCAAGCGACGCCCAACCTGCCATCACGAGATTTCGATTCCACCGCCGCCTT

CTATGAAAGGTTGGGCTTCGGAATCGTTTTCCGGGACGCCGGCTGGATGATCCTCCAGCGCGGGGATCTCATGCTGGAGT

TCTTCGCCCACCCCGGGATATCCGGATATAGTTCCTCCTTTCAGCAAAAAACCCCTCAAGACCCGTTTAGAGGCCCCAAG

GGGTTATGCTAGTTATTGCTCAGCGGTGGCAGCAGCCAACTCAGCTTCCTTTCGGGCTTTGTTAGCAGCCGGATCTTCTA

GAATCCCCAGCATGCCTGCTATTGTCTTCCCAATCCTCCCCCTTGCTGTCCTGCCCCACCCCACCCCCCAGAATAGAATG

ACACCTACTCAGACAATGCGATGCAATTTCCTCATTTTATTAGGAAAGGACAGTGGGAGTGGCACCTTCCAGGGTCAAGG

AAGGCACGGGGGAGGGGCAAACAACAGATGGCTGGCAACTAGAAGGCACAGTCGAGGCTGATAGCGAGCTCGCACGTCCA

TAATGAAAGGTCCGTGACTCATGAAGCCAGCACACACGTGATGATATCGTTCCGCTGTGGCTGGGGTGGAGCCTTCGTCA

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TCGCTACAGCTGCGTGAAACGAAAGATAGTCGATGCGCAGCTTGGGGAAGTCCTCGTGCTGCTTGCGCAAGCTCCAATTC

CGCCTCCCTCCTCCCACCCTCACACTACTCCCGCACACCCCATCCCCACACACCCTGCTCCCCTTAACACCGACTGCACC

TCCCCTCCGGCCCCCTCCGCCCCCCTCCGGCCCCCTGCAACACTATCCCTCCGCCTCCCTTCGGCGCAGTCTCCCGTTGT

GGCCAACCGCGGGCGCAAAGCTGAACCTCACCTTAATCCTGGTGCTCCACACCTGTGCCACCTACGCCCTGTCACAGGGT

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AGCCTCCTCGCGGCCTGCAAATCAGTATTGATAATACCAATACAGTAGGCATATTCTTCAAGCCTGCTAGCGGAACTAGT

AAGGCCCTCTGCGCAGAAGTTCGGCAAAGGCTCCAGGGCCCATTCCGTCTCTCTCCCGAGCGAGCTTTGACGCGCGGCCC

GCGACTGTTTCTTTCTCTCACCGAGGTGGTCAGCAGGTAGGCAAATTGCATTTTCTTTTATTCATTTAGGTCCTTGAGAA

CTCCGCTCACAGCTTTCTCTTGTCTGCGCGCAGAGTCTCGAGATGGGCGTGAAGGTGCTGTTCGCCCTGATCTGCATCGC

CGTCGCCGAGGCGAAGCCGACGGAGAACAACGAGGACTTCAACATTGTCGCCGTGGCGTCCAACTTTGCCACCACCGATC

TGGACGCCGACCGCGGCAAGCTGCCGGGCAAGAAGCTGCCCCTGGAGGTCCTCAAGGAAATGGAGGCGAACGCCCGGAAG

GCCGGCTGCACCCGCGGCTGCCTAATCTGCCTGTCCCACATCAAGTGCACGCCGAAGATGAAGAAGTTCATTCCCGGCCG

GTGCCACACCTACGAGGGCGACAAGGAGTCCGCGCAGGGCGGCATTGGCGAGGCGATCGTGGACATCCCCGAGATTCCGG

GCTTCAAGGACCTGGAGCCGATGGAGCAGTTCATCGCCCAGGTGGACCTGTGCGTGGACTGCACGACCGGCTGTCTGAAG

GGCCTGGCCAATGTGCAGTGTTCCGACCTGCTCAAGAAGTGGCTGCCCCAGCGCTGTGCCACCTTCGCCAGCAAGATCCA

GGGCCAGGTGGACAAGATTAAGGGCGCTGGCGGCGATACGTAAGGATCCAGGTGAGGCGGGGGTTCGGAGGGACTAGGGG

AAGAGTTGGACGCCAGAGTGGGGCGGGTTTTCGGGCCTCTGACATGCGCGCGTGCCTTCCCAAGCACAACTCACCATCTG

ACTCGCATGCTGACGGTCCTCTGTGTCCCTTGGCCCTTGCGCGCAGATTCTGCACGTGTAACGGTCCGCCTGTGAGCTTT

CCGGTCCCGACCCTCGCTCCCGTTCATCGCGCTCGGCGCGGCAGCAGTTGTAGCGGACAGCAGCAGCGGCAGCAGGGGCC

CTGCCAGCACGAAAGGAGTAGCAGCCTGGGGCGGACACTGTCAGCAGAGCCGGCAGCCGGACTGTTTGAGGTTACTCAGT

GCCAATTGCAGCATTTGAGCTGCCTCCAGGCAGCGGCGGCAGCAGCTGGAAAGTGTGGCCAGTGGCGGTTTGGATCAGCA

TGACTGTGACGTGCTAGATAACAGCAGCGGCAGGCAATGAAGCATGCAGAATAGCGAGGAACCGGGAGGGTTGTGAGGAG

TGGACGAAGGGGCAAGCGGCTCTGCCCATCGCGAGCGAACCCGCAACAGCGAGGGCACTCAGCCCGTAACGCGCAAGTGC

CCTCCACCAAACAGCAGCAGCAGCAAGAAACGCAAACAGCTGGGAGCATGTCTATTTCTGCGCGTGTGGCATTGCAGGTG

CTTGCCTTGGACCCGTGCGGAGGGAGCATACGTCTGCGGCGAAGCTGCGCCTGGgcatgGGCGGGCTGGGCGTATTTGAA

GCGGGTACCCC