

Plasmid: pEGFP-N1, Endonuclease enzyme: EcoRI/BamHI

SARS-CoV-2-E

([https://www.ncbi.nlm.nih.gov/nucleotide/OM273378.1?report=genbank&log\\$=nuclalign&blast_rank=1&RID=SAPP56TB013](https://www.ncbi.nlm.nih.gov/nucleotide/OM273378.1?report=genbank&log$=nuclalign&blast_rank=1&RID=SAPP56TB013))

GAATTCGCCACCATGTACAGCTTCGTGAGCGAGGAGACCGGCACACTGATTGTGAACTCCGTGCTGCTCTTCCTGGCCTTCGTGGTGTTCCTGCTCGTGACACTCGCCATTCTGACCGCCCTCAGACTGTGCGCCTACTGCTGCAACATTGTGAACGTGTCCCTGGTGAAGCCATCTTTCTACGTGTACTCCAGAGTGAAGAACCCTAACAGCTCTAGGGTGCCCGACCTCCTGGTGCGGATCC

SARS-CoV-2-M:

([https://www.ncbi.nlm.nih.gov/protein/8CTK_A?report=genbank&log\\$=protaalign&blast_rank=1&RID=SARPHOF1013](https://www.ncbi.nlm.nih.gov/protein/8CTK_A?report=genbank&log$=protaalign&blast_rank=1&RID=SARPHOF1013))

GAATTCGCCACCATGGCCGACTCTAACGGCACAATTACAGTGAGGAGCTGAAGAAGCTGTTAGAACAGTGGAACCTGGTGATCGGCTTCCTGTTCTGACATGGATTTCCTCCTCCAGTTTCGCTACGCCAACCGGAACAGGTTCTGTACATTATTAAGCTGATTTTCCTGTGGCTCCTCTGGCCCGTGACACTGGCCTGCTTCGTGCTCGCCGCGTGTACCGGATTAACCTGGATCACAGGCGGCATTGCCATTGCGATGGCCTGCCTCGTGGGCCTCATGTGGCTGTCTTACTTCATTGCCTCTTTCAGACGTGTTGCGCCGCACACGGTCTATGTGGTCTTTCAACCCAGAGACAAACATTCTGCTGAACGTGCCCTGCACGGCACCATTCTCACAAGACCACTGCTTGAATCCGAGCTGGTGATCGGCGCCGTGATTCTGAGAGGCCACCTCAGAATTGCCGGCCACACCTGGGCAGATGCGACATCAAGGACCTCCCTAAGGAGATCACAGTGCCACATCTAGGACACTCAGTACTACAAGCTGGGCGCCTCGCAGCGAGTGGCCGGCGACTCCGGCTTCGCCGCTACAGCCGTTACCGCATCGGCAACTACAAGCTCAACACCGACCACTCTTCTAGCAGCGACAACATCGCCCTGCTCGTGACGCGGATCC

SARS-CoV-2-N

([https://www.ncbi.nlm.nih.gov/nucleotide/MZ948831.1?report=genbank&log\\$=nuclalign&blast_rank=1&RID=SAPZ4RBG013](https://www.ncbi.nlm.nih.gov/nucleotide/MZ948831.1?report=genbank&log$=nuclalign&blast_rank=1&RID=SAPZ4RBG013))

GAATTCGCCACCATGAGCGACAACGGCCCTCAGAACAGCGGAACGCCCTAGGATTACATTCGGCGGCCCATCTGACTCTACCGGCTCTAACAGAACGGCGAGCGATCCGGCGCCCGGTCCAAGCAGCGGAGACCTCAGGGCCTGCCAAACAACACAGCCTCTTGGTTCACAGCCCTACCCAGCACGGCAAGGAGGACCTGAAGTTCCCTAGAGGCCAGGGCGTGCCAAATTAACAACAACTCTTCTCCTGACGACCAGATTGGCTACTACAGACGCGCCACACGGAGAATCCGGGGCGGCGACGGCAAGATGAAGGACCTGTCTCCTAGGTGGTACTTCTACTACCTGGGACCGGCCCCGAGGCCGCTCCCATACGGCGCCAACAAGGACGGCATTATTTGGGTGGCCACCGAGGGCGCCCTGAACACCCCAAAGGACCACATTGGCACACGGAACCTGCCAAACAACGCCGCCATCGTGCTACAGCTCCCTCAGGGCACCACTGCCTAAGGGCTTCTACGCCGAGGGCTCTCGGGGCGGCTCTCAGGCCCTTTCTAGGTCTAGCTCTCGTTCTCGCAACTCTTCCCGAACTCCACCCCTGGCTCTTCCCGAGGCACATCTCCGTGCCCGCATGGCCGGAACGGCGGCGACGCCCTCGCCCTGCTCTGCTGGACAGACTGAACCAGCTGGAGTCTAAGATGTCTGGCAAGGGCCAGCAGCAGAGGGCCAGACCGTGACAAAGAAGTCCGCCGCCGAGGCCCTAAGAAGCCTAGACAGAAGCGCACAGCCACAAAGGCCTACAACGTGACACAGGCCTTCGGGCGGAGAGGGCCCCGAGCAGACACAGGGCAACTTCGGCGACCAGGAGCTGATTAGACAGGGCACCGACTACAAGCACTGGCCTCAGATTGCCAGTTCGCCCTAGCGCCTCTGCCTTCTTCGGCATGTCTCGCATTGGCATGGAGGTGACCCCCAGCGGGACGTGGCTCACATACACCGGCGCCATTAAGCTGGACGACAAGGACCCAACTTCAAGGACCAGGTGATTCTGCTGAACAAGCACATTGACGCCTACAAGACATTCCCACCTACCGAGCCAAAGAAGGACAAGAAGAAGAAGGCCGACGAGACCCAGGCCCTCCCTCAGAGACAGAAGAAGCAGCAGACCGTGACACTGCTCCCCGCCGCCGACCTCGACGACTTCTCTAAGCAGCTTCAGCAGTCCATGTCTTCTGCCGACTCCACCCAGGCCCGGATCC

SARS-CoV-2-S

:

([https://www.ncbi.nlm.nih.gov/nucleotide/MZ393690.1?report=genbank&log\\$=nuclalign&blast_rank=1&RID=SAR32RX7016](https://www.ncbi.nlm.nih.gov/nucleotide/MZ393690.1?report=genbank&log$=nuclalign&blast_rank=1&RID=SAR32RX7016))

GAATTCGCCACCATGTTTCGTGTTCTCGTGCTGCTCCCACTGGTGTCTAGCCAGTGCCTGAACCTCACCACCCGCACCC
AGCTCCCTCCTGCCTACACAAACAGCTTCACAAGGGGCGTGTAACCTGACAAGGTGTTCCGGTCTAGCGTGCTGCA
CTCTACACAGGACCTGTTCCCTCCCTTTCTTCTTAACGTGACATGGTTCCACGCCATCCATGTATCCGGCACAACGGC
ACAAAGCGGTTTCGACAACCCCGTGCTCCCTTTCAACGACGGCGTGTAACCTCGCCAGCACCGAGAAGTCTAACATTATTA
GAGGCTGGATTTTCGGCACCACACTCGACTCTAAGACCCAGTCTCTCCTGATTGTGAACAACGCCACAACGTGGTGAT
TAAGGTGTGCGAGTTCCAGTTCTGCAACGACCCTTTCTGGGCGTGTAACCTGACAAGAACAACAGTCTTGATGGAG
TCCGAGTTCCGGGTGTAACCTGACGCAACAACCTGCACATTGAGTACGTGTCTCAGCCTTTCTCATGGACCTGGAGG
GCAAGCAGGGCAACTTCAAGAACCTGAGAGAGTTTCGTGTTCAAGAACATTGACGGCTACTTCAAGATTTACTCCAAGCA
CACCCCAATTAACCTGGTGAGGGACCTCCCTCAGGGCTTCTCCGCCCTGGAACCCCTCGTGACCTCCCAATTGGCATT
AACATCACCCGGTTCCAGACACTGCTCGCCCTCCACCGGTCTTACCTGACCCAGGCGACTCTCTAGCGGCTGGACAG
CCGGCGCCGCCCTACTACGTGGGCTACCTCCAGCCACGCACATTCCTCTGAAGTACAACGAGAACGGCACAATTAC
CGACGCCGTGGACTGCGCCCTCGACCCACTGAGCGAGACAAAGTGCACACTGAAGTCTTTCACAGTGAGAAGGGCATT
TACCAGACATCTAACTTCCGGGTGCAGCCTACCGAGTCTATTGTGCGGTTCCCAAACATTACCAACCTGTGCCCTTTCTG
GCGAGGTGTTCAACGCCACCCGCTTCGCCTCTGTGTACGCTGGAACCGGAAGCGGATTTCTAACTGCGTGCGCGACTA
CTCTGTGCTGTACAACAGCGCCTCTTTCTCCACATTCAAGTGCTACGGCGTGTCCTTACAAAGCTGAACGACCTGTGC
TTCACAAACGTGTACGCCGACTCTTTCGTGATCCGGGGCGACGAGGTGAGGCAGATTGCCCCAGGCCAGACAGGCAAGA
TTGCCGACTACAACCTACAAGCTCCCTGACGACTTCACAGGCTGCGTGATCGCCTGGAACCTCTAACACCTCGACTCTAA
GGTGGGCGGCAACTACAACCTACCTGTACAGACTGTTCCGCAAGTCTAACCTGAAGCCTTTTCGAGCGGGACATTAGCACC
GAGATTTACCAGCGCGGCAGCACCCCATGCAACGGCGTGAGGGCTTCAACTGCTACTTCCCACTCCAGTCTTACGGCT
TCCAGCCTACAAACGGCGTGCGCTACAGCCATACCGGTGGTGGTGCTGTCTTTGAATTGCTCCACGCCCCCGCCAC
AGTGTGCGGCCCTAAGAAGTCCACAAACCTGGTGAAGAACAAGTGCCTGAACCTTCAACTTCAACGGCCTCACAGGCACA
GGCGTGCTCACCGAGTCCAACAAGAAGTTCTGCCTTTCCAGCAGTTTGCCCGGACATTGCCGACACCACCGACGCCG
TGAGGGACCTCAGACATTGGAGATTCTGGACATCACCCCATGCAGCTTCGGCGGCGTGCTGTGTATCACCCCGGCAC
CAACACATCTAACAGGTGGCCGTGCTGTACAGGACGTGAACCTGCACAGAGGTGCCAGTGGCCATCCACGCCGACCAG
CTGACCCCTACATGGAGGTGTAACCTCTACAGGCTCTAAGTGTTCAGACTCGCGCCGGCTGCCTGATTGGCGCCGAGC
ACGTAAACAACAGCTACGAGTGCGACATCCCAATTGGCGCCGGCATTGCGCCTCTTACCAGACCCAGACAACTCTCC
TAGACGGGCCCCGTGTGTGGCCTCTCAGTCTATTATTGCCTACACCATGTCCCTGGGCGCCGAGAAGTCTGTGGCCTAC
TCTAACAACTCTATTGCCATCCCTACAACTTCACAATTTCTGTGACCACCGAGATTCTCCAGTGTCTATGACAAAGA
CATCCGTGGACTGCACCATGTACATTTGCGGCGACTCTACCGAGTGCTCTAACCTCCTGCTCCAGTACGGCTCTTTCTG
CACCCAGCTCAACCGGGCCCTCACAGGCATTGCCGTGGAGCAGGACAAGAACACACAGGAGGTGTTCCGCCAGGTGAAG
CAGATTTACAAGACCCCTCCTATTAAGGACTTCGGCGGCTTCAACTTCTCTCAGATTCTCCCCGACCCTAGCAAGCCAT
CTAAGCGGTCCTTCATTGAGGACCTGCTGTTCAACAAGGTGACACTGGCCGACGCCGGCTTCATTAAGCAGTACGGCGA
CTGCCTGGGCGACATCGCCGCTCGTGACCTGATTTGCGCCAGAAGTTCAACGGCCTGACAGTGCTCCCCCACTGCTC
ACCGACGAGATGATTGCCAGTACACGAGCGCCCTCCTCGCCGGCACCATCACATCTGGCTGGACCTTCGGCGCCGGCG
CCGCCCTACAGATCCCTTTCCGCATGCAGATGGCCTACCGCTTCAACGGCATCGGCGTGACCCAGAACGTGCTGTACGA
GAACCAGAAGCTCATCGCCAACAGTTCAACTCTGCCATTGGCAAGATTCAGGACTCTCTGTCTAGCACAGCCAGCGCC
CTGGGCAAACTGCAAGACGTGGTGAACCAGAACGCCAGGCCCTCAACACACTGGTGAAGCAACTCTCGTCTAACTTCG
GCGCCATTAGCTCTGTGCTGAACGACATTCTGTCCGACTCGACAAGGTGGAGGCCGAGGTGCAGATTGACAGACTGAT
TACAGGCAGACTCCAATCTCTACAGACATACGTGACACAGCAGCTCATTAGAGCCGCCGAGATCAGAGCCTCCGCCAAC
CTGGCCGCCACAAGATGAGCGAGTGCGTGCTGGGCCAGTCCAAGAGAGTGAGCTTCTGCGGCAAGGGCTACCACCTCA
TGTCTTTCCCTCAGTCCGCCCTCACGGCGTGGTGTTCCTCCATGTTACATACGTGCCAGCCAGGAGAAGAAGTTCAC

CACAGCCCCGCCATTTGCCACGACGGCAAGGCCCACTTCCCTAGAGAGGGCGTGTTTCGTGTCCAACGGCACCCTGG
TTCGTGACCCAGAGAACTTCTACGAGCCTCAGATTATCACCACCGACAACACCTTCGTGTCTGGCAACTGCGACGTGG
TGATTGGCATTGTGAACAACACAGTGTACGACCCATTGCAACCCGAACCTTGACTCTTTCAAGGAGGAACCTGACAAGTA
CTTCAAGAACCACACATCTCCCGACGTGGACCTGGGCGACATTAGCGGCATTAACGCCTCTGTGGTGAACATTGAGAAG
GAGATCGACAGGCTGAACGAGGTGGCCAAGAACCTGAACGAGTCTCTGATTGACTTGCAAGAGCTGGGCAAGTACGAGC
AGTACATTAAGTGGCCTTGGTACATTTGGCTGGGCTTCATCGCCGGCCTGATCGCCATTGTGATGGTGACCATCATGCT
GTGCTGCATGACATCTTGCTGCTCTTGCCTGAAGGGCTGCTGCTCTTGCGGCTCTTGCTGCAAGTTCGACGAGGACGAC
TCTGAGCCCGTGCTGAAGGGCGTGAAGCTCCACTACACA

CGGGATCC