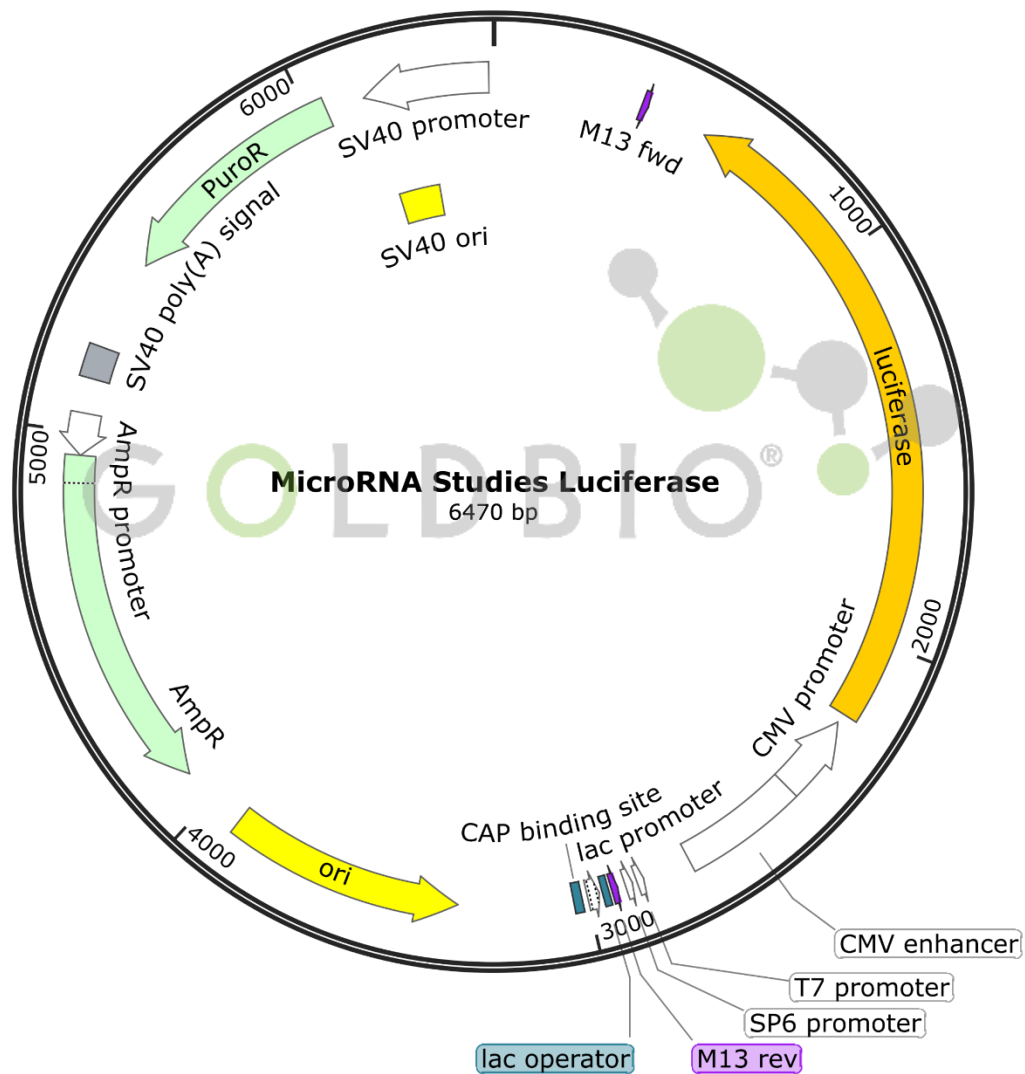


MicroRNA Studies Luciferase Vector Map and Sequence

Created by SnapGene



Gold Biotechnology

St. Louis, MO

Ph: (314)890-8778

Web: www.goldbio.com

Email: contactgoldbio86@goldbio.com

=

Sequence

> MicroRNA Studies Luciferase [length=6470] [version=1-29-2025]

```
TCGCGCGTTTCGGTGATGACGGTGAAAACCTCTGACACATGCAGCTCCCGGAGACGGTCACAGCTTGTC
TGTAAGCGGATGCCGGGAGCAGACAAGCCCGTCAGGGCGCGTCAGCGGGTGTGGCGGGTGTCCGGG
CTGGCTTAACATATGCGGCATCAGAGCAGATTGTAAGTGCACCATATGCGGTGTGAAATACCGCA
CAGATGCGTAAGGAGAAAATACCGCATCAGGCGCCATTGCGCATTAGGCTGCGCAACTGTTGGGAAG
GGCGATCGGTGCGGGCCTCTTCGCTATTACGCCAGCTGGCGAAAGGGGGATGTGCTGCAAGGCGATTA
AGTTGGGTAACGCCAGGGTTTTCCAGTCACGACGTTGTAACGACGGCCAGTGCCAAGCTAGCGGCC
GCATACAAAAACCAACACACAGATCCAATGAAAATAAAGATCCTTTATTAAGCTTAAGTGTAAACC
TATGATATCACGCACGCGTCTATGCCGGCCTATGAGCTCCCTCACTAGTGCGCAGCTTTCATCACTCGAG
CAATTTGGACTTTCCGCCCTTCTTGGCCTTTATGAGGATCTCTCTGATTTTTCTTGCCTCGAGTTTTCCGGT
AAGACCTTTCGGTACTTCGTCCACAAACACAACCTCCCGCGCAACTTTTTCGCGGTTGTTACTTGACTGG
CGACGTAATCCACGATCTTTTTTCCGTCATCGTCTTCCGTGCTCCAAAACAACAACGGCGGGCGGAAG
TTCACCGGCGTCATCGTCGGGAAGACCTGCCACGCCCGCGTCGAAGATGTTGGGGTGTGTAACAATAT
CGATCCAATTCAGCGGGGGCCACCTGATATCCTTTGTATTAATTAAGACTTCAAGCGGTCAACTATG
AAGAAGTGTTCTTCGTCCAGTAAGCTATGTCTCCAGAATGTAGCCATCCATCCTTGTCAATCAAGG
CGTTGGTTCGCTTCCGGATTGTTACATAACCGGACATAATCATAGTCTCTGACACATAATTCGCCTCTC
TGATTAACGCCAGCGTTTTCCCGGTATCCAGATCCACAACCTTCGCTTCAAAAAATGGAACAACCTTACC
GACCGCGCCCGGTTTATCATCCCCCTCGGGTGTAAATCAGAATAGCTGATGTAGTCTCAGTGAGCCATAT
CCTTGTCTGATCCCTGGAAGATGGAAGCGTTTTGCAACCGCTTCCCCGACTTCTTTCGAAAGAGGTGCGC
CCCCAGAAGCAATTCGTGTAATTAGATAAATCGTATTTGTCAATCAGAGTGCTTTTGGCGAAGAATGA
AAATAGGGTTGGTACTAGCAACGCACTTTGAATTTTGTAACTCCTGAAGGGATCGTAAAAACAGCTCTTCT
TCAAATCTATACATTAAGACGACTCGAAATCCACATATCAAATATCCGAGTGTAGTAAACATTCAAAAC
CGTGATGGAATGGGACAACACTTAAAATCGCAGTATCCGGAACGATTTGATTGCCAAAAATAGGATCTC
TGGCATGCGAGAATCTGACGCAGGCAGTTCTATGCGGAAGGGCCACACCCTTAGGTAACCCAGTAGATC
CAGAGGAATTCATTATCAGTGCAATTGTTTTGTCACGATCAAAGGACTCTGGTACAAAATCGTATTCATT
AAAACCGGGAGGTAGATGAGATGTGACGAACGTGTACATCGACTGAAATCCCTGGTAATCCGTTTTAGA
ATCCATGATAATAATTTCTGGATTATTGGTAATTTTTTTGCACGTTCAAATTTTTTGAACCCCTTTTT
GGAAACAAACACTACGGTAGGCTGCGAAATGTTCACTGTTGAGCAATTCACGTTTATTATAAATGTCCG
TTCGCGGGCGCAACTGCAACTCCGATAAATAACGCGCCCAACACCGGCATAAAGAATTGAAGAGAGTTT
TCACTGCATACGACGATTCTGTGATTTGATTTCAGCCATATCGTTTCATAGCTTCTGCCAACCGAACGGA
CATTTGCAAGTATTCGCGTACGTGATGTTACCTCGATATGTGCATCTGTAAAAGCAATTGTTCCAGGA
ACCAGGGCGTATCTTTCATAGCCTTATGCAGTTGCTCTCCAGCGGTTCCATCCTCTAGAGGATAGAATG
GCGCCGGCCTTTCTTTATGTTTTTGGCGTCTTCATGGTGGATCCACGGTTCACTAAACCAGCTCTGCTT
ATATAGACCTCCACCGTACACGCCTACCGCCATTTGCGTCAATGGGGCGGAGTTGTTACGACATTTTG
GAAAGTCCCGTTGATTTTGGTGCCAAAACAACTCCATTGACGTCAATGGGGTGGAGACTTGGAATC
CCCGTGAGTCAAACCGCTATCCACGCCATTGATGTACTGCCAAAACCGCATCACCATGGTAATAGCGAT
GACTAATACGTAGATGTACTGCCAAGTAGGAAAGTCCATAAGGTCATGTACTGGGCATAATGCCAGGC
GGGCCATTTACCGTCATTGACGTCAATAGGGGGCGTACTTGGCATATGATACTTGTACTGTTGTTGTTG
GTGGGCAGTTTACCGTAAATACTCCACCCATTGACGTCAATGGAAAGTCCCTATTGGCGTTACTATGGGA
ACATACGTCAATTATTGACGTCAATGGGCGGGGGTCTTGGGCGGTGAGCCAGGCGGGCCATTTACCGTA
```

=

AGTTATGTAACGCGGAACCTCCATATATGGGCTATGAACTAATGACCCCGTAATTGATTACTATTAATAAC
TAAGATCTGGTACCTTGAATTCATGCTTCTCCTCCCTTAGTGAGGGTAATTCTCTCTCTCCTATAGTG
AGTCGTATTAATTCCTTCTCTTCTATAGTGTACCTAAATCGTTGCAATTCGTAATCATGTCATAGCTGTTT
CCTGTGTGAAATTGTTATCCGCTCACAAATCCACACAACATACGAGCCGGAAGCATAAAGTGTAAGCCT
GGGGTGCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGCCCCGCTTCCAGTCGGGAA
ACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCGCGGGGAGAGGCGGTTTGCATATTGGGCGC
TCTTCCGCTTCTCGCTCACTGACTCGCTGCGCTCGGTTCGTTTCGGCTGCGGCGAGCGGTATCAGCTCACT
CAAAGGCGGTAATACGGTTATCCACAGAATCAGGGGATAACGCAGGAAAGAACATGTGAGCAAAGG
CCAGCAAAGGCCAGGAACCGTAAAAAGGCCGCTTGGTGGCGTTTTTCCATAGGCTCCGCCCCCTGA
CGAGCATCACAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTATAAAGATACCAGG
CGTTTCCCCCTGGAAGCTCCCTCGTGCCTCTCCTGTTCCGACCCTGCCGCTTACCGGATACCTGTCCGCC
TTTCTCCCTTCGGGAAGCGTGCGCTTTCTCATAGCTCACGCTGTAGGTATCTCAGTTCGGTGTAGGTGCG
TTCGCTCCAAGCTGGGCTGTGTGCACGAACCCCCGTTACGCCGACCGCTGCGCCTTATCCGGTAACTA
TCGTCTTGAGTCCAACCCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAG
CAGAGCGAGGTATGTAGGCGGTGCTACAGAGTTCCTGAAGTGGTGGCCTAACTACGGCTACACTAGAA
GAACAGTATTTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGGAAAAAGAGTTGGTAGCTCTTGATC
CGGCAAAAAAACCACCGCTGGTAGCGGTGGTTTTTTTGGTTGCAAGCAGCAGATTACGCGCAGAAAAAA
AGGATCTCAAGAAGATCCTTTGATCTTTTCTACGGGGTCTGACGCTCAGTGGAACGAAAACCTCACGTAA
GGGATTTTGGTCATGAGATTATCAAAAAGGATCTTACCTAGATCCTTTTAAATTAATAAATGAAGTTTAA
AATCAATCTAAAGTATATATGAGTAACTTGGTCTGACAGTTACCAATGCTTAATCAGTGAGGCACCTAT
CTCAGCGATCTGTCTATTTGTTTCATCCATAGTTGCCTGACTCCCCGTCGTGTAGATAACTACGATACGGG
AGGGCTTACCATCTGGCCCCAGTGCTGCAATGATACCGCGAGACCCACGCTCACCGGCTCCAGATTTATC
AGCAATAAACCAGCCAGCCGGAAGGGCCGAGCGCAGAAGTGGTCTGCAACTTTATCCGCCTCCATCCA
GTCTATTAATTGTTGCCGGAAGCTAGAGTAAGTAGTTCGCCAGTTAATAGTTTGCGCAACGTTGTTGCC
ATTGCTACAGGCATCGTGGTGTACGCTCGTCTGTTGGTATGGCTTATTACAGCTCCGGTTCCCAACGAT
CAAGGCGAGTTACATGATCCCCATGTTGTGCAAAAAAGCGGTTAGCTCCTTCGGTCTCCGATCGTTGT
CAGAAGTAAGTTGGCCGAGTGTTATCACTCATGGTTATGGCAGCACTGCATAATTCTCTTACTGTCATG
CCATCCGTAAGATGCTTTTCTGTGACTGGTGAAGTACTCAACCAAGTATTCTGAGAATAGTGTATGCGGC
GACCGAGTTGCTCTTGCCCGCGTCAATACGGGATAATACCGCGCCACATAGCAGAACCTTAAAAGTGC
TCATCATTGGAAAACGTTCTTCGGGGCGAAAACCTCTCAAGGATCTTACCGCTGTTGAGATCCAGTTCGAT
GTAACCCACTCGTGACCCAACTGATCTTCAGCATCTTTACTTTACCAGCGTTTCTGGGTGAGCAAAAA
CAGGAAGGCAAAATGCCGCAAAAAAGGGAATAAGGGCGACACGGAATGTTGAATACTCATACTCTTC
CTTTTCAATATTATTGAAGCATTATCAGGGTATTGTCTCATGAGCGGATACATATTTGAATGTATTTA
GAAAAATAAACAAATAGGGGTTCCGCGCACATTTCCCCGAAAAGTGCCACCTGACGTCTAAGAAACCAT
TATTATCATGACATTAACCTATAAAAATAGGCGTATCACGAGATTGCAGTGAAAAAATGCTTTATTTGT
GAAATTTGTGATGCTATTGCTTTATTTGTAACCATTATAAGCTGCAATAAACAAGTTAACAACAACAATTG
CATTCAATTTATGTTTCAGGTTACAGGGGAGGTGTGGGAGGTTTTTAAAGCAAGTAAAACCTCTACAAA
TGTGGTATGGCTGATTATGATCCTTAGAGTCGGTGGGCCTCGGGGGCGGGTGCGGGGTGCGGCGGGG
CCGCCCCGGGTGGCTTCGGTTCGGAGCCATGGGGTTCGTGCGCTCCTTTCGGTTCGGGCGCTGCGGGTCTG
GGGGCGGGCGTACGGCACCGGGCTTGCGGGTGATGACCCAGGTGCGCGGTCTTCGGGACCTCGACG
TCGGCGGTGACGGTGAAGCCGAGCCGCTCGTAGAAGGGGAGGTTGCGGGGCGCGGAGGTCTCCAGGA

=

AGGCGGGCACCCCGGCGCGCTCGGCCGCTCCACTCCGGGGAGCACGACGGCGCTGCCAGACCCTTG
CCCTGGTGGTCGGGCGAGACGCCGACGGTGGCCAGGAACCACGCGGGCTCCTTGGGCGGTGCGGCG
CCAGGAGGCCTTCATCTGTTGCTGCGCGGCCAGCCGGAACCGCTCAACTCGGCCATGCGCGGGCCG
ATCTCGGCGAACACCGCCCCGCTTCGACGCTCTCCGGCGTGGTCCAGACCGCCACCGCGGGCGCCGTGC
TCCGCGACCCACACCTTGCCGATGTCGAGCCCGACGCGCGTGAGGAAGAGTTCTTGCAGCTCGGTGACC
CGCTCGATGTGGCGGTCCGGGTGACGCGGTGTGGCGCGTGGCGGGGTAGTCGGCGAACGCGGGCGGCGA
GGGTGCGTACGGCCCGGGGGACGTCGTCGCGGGTGGCGAGGCGCACCGTGGGCTTGTACTCGGTCAT
GGAAGGTCGTCTCCTTGTGAGGGGTGAGGGCGTGGGTGAGGGGATGGTGGCGGCACCGGTCGTGGC
GGCCGACCTGCAGGCATGCAAGCTAGCTTTTTGCAAAAAGCCTAGGCCTCAAAAAAGCCTCCTCACTACT
TCTGGAATAGCTCAGAGGCCGAGGCGGCCTCGGCCTCTGCATAAATAAAAAAATTAGTCAGCCATGG
GGCGGAGAATGGGCGGAACTGGGCGGAGTTAGGGGCGGGATGGGCGGAGTTAGGGGCGGGACTATG
GTTGCTGACTAATTGAGATGCATGCTTTGCATACTTCTGCCTGCTGGGGAGCCTGGGGACTTTCCACACC
TGGTTGCTGACTAATTGAGATGCATGCTTTGCATACTTCTGCCTGCTGGGGAGCCTGGGGACTTTCCACA
CCAATCTTTCGTC