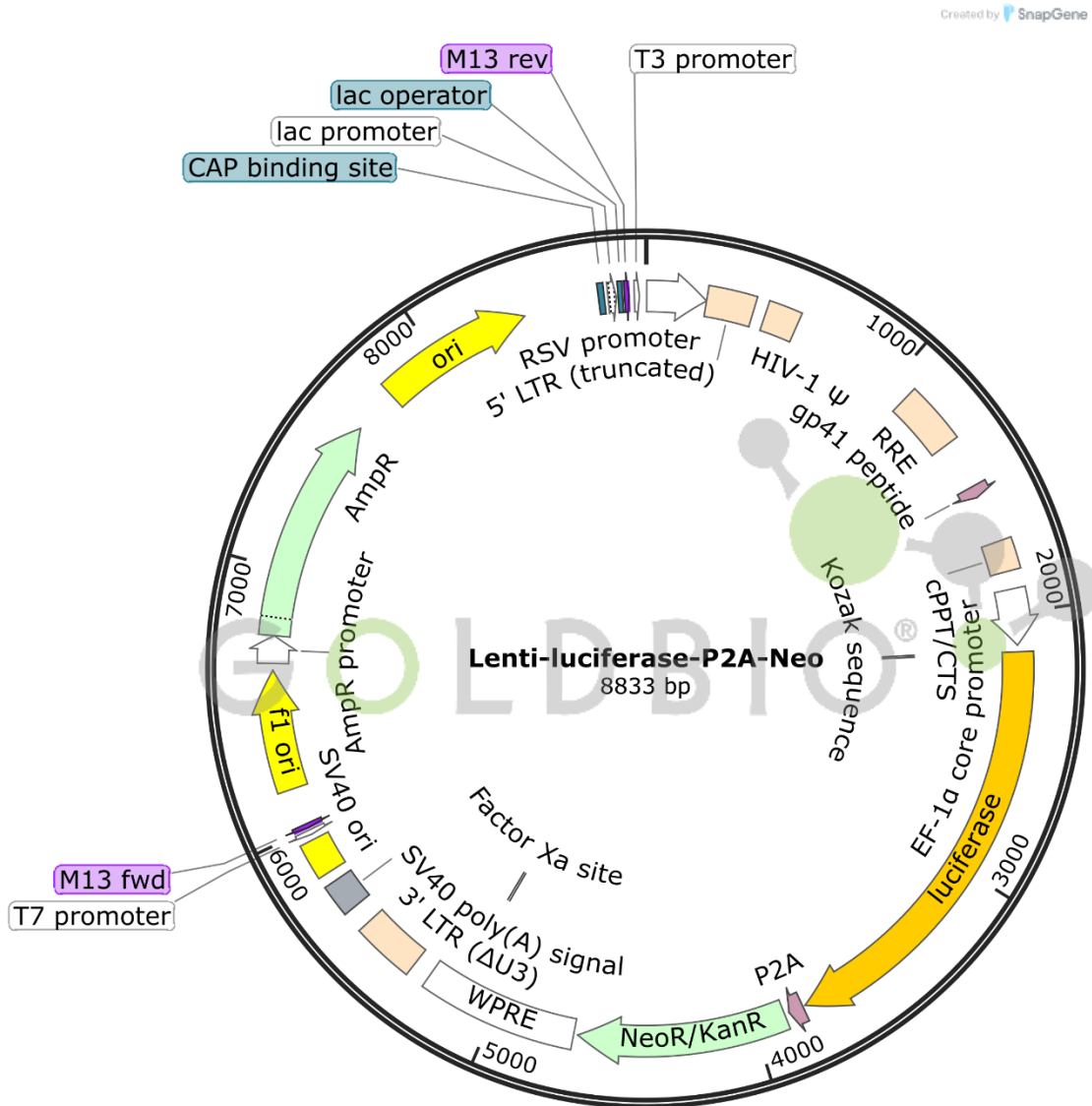


Lenti-luciferase-P2A-Neo Vector Map and Sequence



=

Sequence

> Lenti-luciferase-P2A-Neo [length=8833] [version=1-29-2025]

```
TTAATGTAGTCTTATGCAATACTCTTGTAGTCTTGCAACATGGTAACGATGAGTTAGCAACATGCCTTACA
AGGAGAGAAAAAGCACCGTGCATGCCGATTGGTGGAAAGTAAGGTGGTACGATCGTGCCTTATTAGGAA
GGCAACAGACGGGTCTGACATGGATTGGACGAACCACTGAATTGCCGCATTGCAGAGATATTGTATTTA
AGTGCCTAGCTCGATACATAAACGGGTCTCTCTGGTTAGACCAGATCTGAGCCTGGGAGCTCTCTGGCT
AACTAGGGAACCCACTGCTTAAGCCTCAATAAAGCTTGCTTGAGTGCTTCAAGTAGTGTGTGCCCGTCT
GTTGTGTGACTCTGGTAACTAGAGATCCCTCAGACCCTTTTAGTCAGTGTGGAAAATCTCTAGCAGTGGC
GCCCGAACAGGGACTTGAAAGCGAAAGGGAACCAAGAGGAGCTCTCTCGACGCAGGACTCGGCTTGCT
GAAGCGCGCACGGCAAGAGGGCGAGGGGCGGCGACTGGTGAGTACGCCAAAAATTTGACTAGCGGAG
GCTAGAAGGAGAGAGATGGGTGCGAGAGCGTCAGTATTAAGCGGGGAGAATTAGATCGCGATGGGA
AAAAATTCGGTTAAGGCCAGGGGGAAAGAAAAAATATAAATTAACATATAGTATGGGCAAGCAGGG
AGCTAGAACGATTTCGAGTTAATCCTGGCCTGTTAGAAACATCAGAAGGCTGTAGACAAATACTGGGAC
AGCTACAACCATCCCTTCAGACAGGATCAGAAGAACTTAGATCATTATATAATACAGTAGCAACCCTCTA
TTGTGTGCATCAAAGGATAGAGATAAAAGACACCAAGGAAGCTTTAGACAAGATAGAGGAAGAGCAAA
ACAAAAGTAAGACCACCGCACAGCAAGCGGCCGCTGATCTTCAGACCTGGAGGAGGAGATATGAGGGA
CAATTGGAGAAGTGAATTATATAAATATAAAGTAGTAAAAATTGAACCATTAGGAGTAGCACCCACCA
GGCAAAGAGAAGAGTGGTGCAGAGAGAAAAAAGAGCAGTGGGAATAGGAGCTTTGTTCTTGGGTTC
TTGGGAGCAGCAGGAAGCACTATGGGCGCAGCGTCAATGACGCTGACGGTACAGGCCAGACAATTATT
GTCTGGTATAGTGCAGCAGCAGAACAATTTGCTGAGGGCTATTGAGGCGAACAGCATCTGTTGCAACT
CACAGTCTGGGGCATCAAGCAGCTCCAGGCAAGAATCCTGGCTGTGGAAAGATACCTAAAGGATCAAC
AGCTCCTGGGGATTTGGGGTTGCTCTGAAAACTCATTGCAACTGCTGTGCCTTGGAATGCTAGTTG
GAGTAATAAATCTCTGGAACAGATTTGGAATCACACGACCTGGATGGAGTGGGACAGAGAAATTAACA
ATTACACAAGCTTAATACTCCTTAATTGAAGAATCGAAAACCAAGAAAAGAATGAACAAGAAT
TATTGGAATTAGATAAATGGGCAAGTTTGTGGAATTGTTTAAACATAACAAATTGGCTGTGGTATATAA
AATTATTCATAATGATAGTAGGAGGCTTGGTAGGTTAAGAATAGTTTTTGTGTACTTTCTATAGTGAA
TAGAGTTAGGCAGGGATATCACCATTATCGTTTCAGACCCACCTCCAACCCGAGGGGACCCAGACC
ACAATTTAAAAGAAAAGGGGGGATTGGGGGTACAGTGCAGGGGAAAGAATAGTAGACATAATAGC
AACAGACATACAAATAAAGAAATTACAAAAACAAATTACAAAATTTCCGGTTTATTACAGG
GACAGCAGAGATCCACTTTGGCGCCGCTCGAGTGGCTCCGGTGCCCGTCAGTGGGCAGAGCGCACAT
CGCCACAGTCCCGGAGAAGTTGGGGGGAGGGGTGCGCAATTGAACCGGTGCCTAGAGAAGGTGGCG
CGGGGTAACTGGGAAAGTGATGTCGTGTACTGGCTCCGCCTTTTCCCGAGGGTGGGGGAGAACCGT
ATATAAGTGCAGTAGTCGCCGTGAACGTTCTTTTCGCAACGGGTTTGCCGCCAGAACACAGGTGTCGT
GACGCGGGATCCGCCACCATGGAAGACGCCAAAAACATAAAGAAAGGCCCGGCGCCATTCTATCCGCT
GGAAGATGGAACCGCTGGAGAGCAACTGCATAAAGGCTATGAAGAGATACGCCCTGGTTCCTGGAACAA
TTGCTTTTACAGATGCACATATCGAGGTGGACATCACTTACGCTGAGTACTTCGAAATGTCCGTTCCGTT
GGCAGAAGCTATGAAACGATATGGGCTGAATACAAATCACAGAATCGTCGTATGCAGTGAAAACCTCTCT
TCAATTCCTTATGCCGGTGTGGGGCGGTTATTTATCGGAGTTGCAGTTGCGCCCGCGAACGACATTTAT
```

Gold Biotechnology

St. Louis, MO

Ph: (314)890-8778

Web: www.goldbio.com

Email: contactgoldbio86@goldbio.com

=

AATGAACGTGAATTGCTCAACAGTATGGGCATTTTCGCAGCCTACCGTGGTGTTCGTTTCCAAAAGGGG
TTGCAAAAATTTTGAACGTGCAAAAAGCTCCCAATCATCCAAAATTATTATCATGGATTCTAAAA
CGGATTACCAGGGATTTTCAGTCGATGTACACGTTTCGTCACATCTCATCTACCTCCCGGTTTTAATGAATAC
GATTTTGTGCCAGAGTCCCTCGATAGGGACAAGACAATTGCACTGATCATGAACTCCTCTGGATCTACTG
GTCTGCCTAAAGGTGTCGCTCTGCCTCATAGAACTGCCTGCGTGAGATTCTCGCATGCCAGAGATCCTAT
TTTTGGCAATCAAATCATTCCGGATACTGCGATTTAAGTGTTGTTCCATTCCATCACGGTTTTGGAATGT
TACTACACTCGGATATTTGATATGTGGATTTTCGAGTCGTCTTAATGTATAGATTTGAAGAAGAGCTGTTT
CTGAGGAGCCTTCAGGATTACAAGATTCAAAGTGCCTGCTGGTGCCAACCCTATTCTCCTTCTTCGCCA
AAAGCACTCTGATTGACAAATACGATTTATCTAATTTACACGAAATTGCTTCTGGTGCGCTCCCTCTCT
AAGGAAGTCGGGAAGCGGTTGCCAAGAGGTTCCATCTGCCAGGTATCAGGCAAGGATATGGGCTCAC
TGAGACTACATCAGCTATTCTGATTACACCCGAGGGGGATGATAAACCGGGCGCGGTCGGTAAAGTTGT
TCCATTTTTTGAAGCGAAGGTTGTGGATCTGGATACCGGAAAACGCTGGGCGTTAATCAAAGAGGCG
AACTGTGTGTGAGAGGTCCTATGATTATGTCCGGTTATGTAAACAATCCGGAAGCGACCAACGCCTTGA
TTGACAAGGATGGATGGCTACATTCTGGAGACATAGCTTACTGGGACGAAGACGAACACTTCTTCATCG
TTGACCGCCTGAAGTCTCTGATTAAGTACAAAGGCTATCAGGTGGCTCCCGCTGAATTGGAATCCATCTT
GCTCCAACACCCCAACATCTTCGACGCAGGTGTCGCAGGTCTTCCCGACGATGACGCCGGTGAACCTCC
GCCGCCGTTGTTGTTTTGGAGCACGGAAAGACGATGACGGAAAAGAGATCGTGGATTACGTCGCCAG
TCAAGTAACAACCGCGAAAAAGTTGCGCGGAGGAGTTGTGTTTGTGGACGAAGTACCGAAAGGTCTTA
CCGAAAACCTCGACGCAAGAAAAATCAGAGAGATCCTCATAAAGGCCAAGAAGGGCGGAAAGATCGC
CGTGGGCAGCGGCCACCAACTTCAGCCTGCTGAAGCAGGCGCGACGTGGAGGAGAACCCCGGC
CCCATGACCGAGTACAAGCCCATGATTGAACAAGATGGATTGCACGCAGGTTCTCCGGCCGCTTGGGTG
GAGAGGCTATTCCGGCTATGACTGGGCACAACAGACAATCGGCTGCTCTGATGCCGCCGTGTTCCGGCTG
TCAGCGCAGGGGCGCCCGTCTTTTTGTCAAGACCGACCTGTCCGGTGCCCTGAATGAACTGCAGGAC
GAGGCAGCGCGGCTATCGTGGCTGGCCACGACGGGCGTTCTTGCAGCTGTGCTCGACGTTGCTCACT
GAAGCGGGAAGGGACTGGCTGCTATTGGGCGAAGTGCCGGGGCAGGATCTCCTGTCATCTCACCTTGC
TCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGGCGGCTGCATACGCTTGATCCGGCTACCTG
CCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCACGTACTCGGATGGAAGCCGGTCTTGTGCGA
TCAGGATGATCTGGACGAAGAGCATCAGGGGCTCGCGCCAGCCGAACTGTTCCGACGGCTCAAGGCGC
GCATGCCCGACGGCGAGGATCTCGTCGTGACCCATGGCGATGCCTGCTTGCCGAATATCATGGTGGAAA
ATGGCCGTTTTCTGGATTCATCGACTGTGGCCGCTGGGTGTGGCGGACCGCTATCAGGACATAGCGT
TGGCTACCCGTGATATTGCTGAAGAGCTTGGCGGCGAATGGGCTGACCGCTTCCCTCGTCTTTACGGTA
TCGCCGCTCCCGATTGCGAGCGCATCGCCTTCTATCGCCTTCTTGACGAGTTCTTCTGAACGCGTTAAGTC
GACAATCAACCTCTGGATTACAAAATTTGTGAAAGATTGACTGGTATTCTTAACTATGTTGCTCCTTTTAC
GCTATGTGGATACGCTGCTTTAATGCCTTTGTATCATGCTATTGCTTCCCGTATGGCTTTTCAATTTCTCCTC
CTTGATAAATCCTGGTTGCTGTCTTTTATGAGGAGTTGTGGCCCGTTGTGAGGCAACGTGGCGTGGT
TGCACTGTGTTTGTGACGCAACCCCACTGGTTGGGGCATTGCCACCACCTGTGAGCTCCTTTCCGGGA
CTTTGCTTTCCCTCCCTATTGCCACGGCGGAACTCATCGCCGCTGCCTTGCCGCTGCTGGACAGG
GGCTCGGCTGTTGGGCACTGACAATCCGTGGTGTGTCGGGGAAATCATCGTCTTTTCTTGGCTGCTC
GCCTGTGTTGCCACCTGGATTCTGCGCGGGACGTCTTCTGCTACGTCCCTTCGGCCCTCAATCCAGCGG
ACCTTCTTCCCGCGCCTGCTGCCGGCTCTGCGGCTCTTCCGCGTCTTCGCCTTCGCCCTCAGACGAGT
CGGATCTCCCTTTGGGCCGCTCCCGCGTGCAGTCTTAAGACCAATGACTTACAAGGCAGCTGTAGATCT

=

TAGCCACTTTTTAAAAGAAAAGGGGGGACTGGAAGGGCTAATTCACTCCCAACGAAGACAAGATCTGCT
TTTTGCTTGTACTGGGTCTCTCTGGTTAGACCAGATCTGAGCCTGGGAGCTCTCTGGCTAACTAGGGAAAC
CCACTGCTTAAGCCTCAATAAAGCTTGCCTTGAGTGCTTCAAGTAGTGTGTGCCCGTCTGTTGTGTGACT
CTGGTAACTAGAGATCCCTCAGACCCTTTAGTCAGTGTGGAAAATCTCTAGCAGTACGTATAGTAGTTC
ATGTCATCTTATTATTAGTATTATAAATTGCAAAGAAATGAATATCAGAGAGTGAGAGGAACCTTGTTT
ATTGCAGCTTATAATGGTTACAAATAAAGCAATAGCATCACAAATTTACAAATAAAGCATTTTTTTTCACT
GCATTCTAGTTGTGGTTTGTCCAAACTCATCAATGTATCTTATCATGTCTGGCTCTAGCTATCCCGCCCCT
AACTCCGCCCATCCCGCCCCTAACTCCGCCAGTTCGCCCATCTCCGCCCATGGCTGACTAATTTTTTT
TATTTATGCAGAGGCCGAGGCCGCTCGGCCTCTGAGCTATTCCAGAAGTAGTGAGGAGGCTTTTTTTGG
AGGCCTAGGGACGTACCCAATTCGCCCTATAGTGAGTCGATTACGCGCGCTCACTGGCCGTCGTTTTAC
AACGTCGTGACTGGGAAAACCTGGCGTTACCCAACCTAATCGCCTTGCAGCACATCCCCCTTCGCCAG
CTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCAGCCTGAATGGCGAATG
GGACGCGCCCTGTAGCGGCGCATTAAAGCGCGGGGTGTGGTGTGTTACGCGCAGCGTGACCGCTACAC
TTGCCAGCGCCCTAGCGCCCGCTCCTTCGCTTCTCCCTTCTTCTCGCCACGTTGCGCCGGCTTTCCCC
GTCAAGCTCTAAATCGGGGGCTCCCTTTAGGGTTCGATTTAGTGCTTTACGGCACCTCGACCCCAAAAA
ACTTGATTAGGGTGATGGTTCACGTAGTGGGCCATCGCCCTGATAGACGGTTTTTTCGCCCTTTGACGTTG
GAGTCCACGTTCTTTAATAGTGGACTCTTGTCCAAACTGGAACAACACTCAACCCTATCTCGGTCTATTC
TTTTGATTTATAAGGGATTTTGCCGATTTGCGCCTATTGGTTAAAAAATGAGCTGATTTAACAAAAATTTA
ACGCGAATTTTAAACAAAATATTAACGCTTACAATTTAGGTGGCACTTTTCGGGGAAATGTGCGCGGAAC
CCCTATTTGTTTATTTTTCTAAATACATTCAAATATGTATCCGCTCATGAGACAATAACCCTGATAAATGCT
TCAATAATATTGAAAAAGGAAGAGTATGAGTATTCAACATTTCCGTGTGCCCTTATTCCCTTTTTTTCGG
CATTTCCTTCTGTTTTTGTCTACCCAGAAACGCTGGTGAAAGTAAAAGATGCTGAAGATCAGTTGGG
TGCACGAGTGGGTTACATCGAACTGGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTTCGCCCGAAGA
ACGTTTTCCAATGATGAGCACTTTTAAAGTTCTGCTATGTGGCGCGGTATTATCCCGTATTGACGCCGGG
CAAGAGCAACTCGGTGCGCCGATACACTATTCTCAGAATGACTTGTTGAGTACTCACCAGTCACAGAA
AAGCATCTTACGGATGGCATGACAGTAAGAGAATTATGCAGTGCTGCCATAACCATGAGTGATAACACT
GCGGCCAACTTACTTCTGACAACGATCGGAGGACCGAAGGAGCTAACCGCTTTTTTGCACAACATGGGG
GATCATGTAACCTGCCTTGATCGTTGGGAACCGGAGCTGAATGAAGCCATACCAAACGACGAGCGTGAC
ACCACGATGCCTGTAGCAATGGCAACAACGTTGCGCAAACCTATTAACCTGGCGAACTACTTACTCTAGCTT
CCCGGCAACAATTAAGACTGGATGGAGGCGGATAAAGTTGCAGGACCACTTCTGCGCTCGGCCCTTC
CGGCTGGCTGGTTTATTGCTGATAAATCTGGAGCCGGTGAGCGTGGGTCTCGCGGTATCATTGCAGCAC
TGGGGCCAGATGGTAAGCCCTCCCGTATCGTAGTTATCTACACGACGGGGAGTCAGGCAACTATGGATG
AACGAAATAGACAGATCGCTGAGATAGGTGCCTCACTGATTAAGCATTGGTAACTGTCAGACCAAGTTT
ACTCATATATACTTTAGATTGATTTAAAACCTTCATTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTG
ATAATCTCATGACCAAAATCCCTTAACTGAGTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAGAT
CAAAGGATCTTCTTGGATCCTTTTTTTCTGCGCGTAATCTGCTGCTTGCAAACAAAAAAACCACCGCTAC
CAGCGGTGGTTTGGTTCGGGATCAAGAGCTACCAACTTTTTTCCGAAGGTAACCTGGCTTACGACAGAC
GCAGATACCAAATACTGTTCTTAGTGTAGCCGTAGTTAGGCCACCACTTCAAGAACTCTGTAGCACCG
CCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCGTGTCTTACCG
GGTTGGACTCAAGACGATAGTTACCGGATAAGGCGCAGCGGTGGGCTGAACGGGGGGTTCGTGCAC
ACAGCCCAGCTTGGAGCGAACGACCTACACCGAACTGAGATACCTACAGCGTGAGCTATGAGAAAGCG

=

CCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTCGGAACAGGAGAGCG
CACGAGGGAGCTTCCAGGGGGAAACGCCTGGTATCTTTATAGTCCTGTCTGGGTTTCGCCACCTCTGACTT
GAGCGTCGATTTTTGTGATGCTCGTCAGGGGGGCGGAGCCTATGGAAAAACGCCAGCAACGCGGCCTT
TTTACGGTTCCTGGCCTTTTGCTGGCCTTTTGCTCACATGTTCTTTCCTGCGTTATCCCCTGATTCTGTGGA
TAACCGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGCCGAGCCGAACGACCGAGCGCAGCGAGTC
AGTGAGCGAGGAAGCGGAAGAGCGCCAATACGCAAACCGCCTCTCCCCGCGCGTTGGCCGATTCAAT
AATGCAGCTGGCACGACAGGTTTTCCCGACTGGAAAGCGGGCAGTGAGCGCAACGCAATTAATGTGAGT
TAGCTCACTCATTAGGCACCCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGTGGAATTGTGA
GCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTACGCCAAGCGCGCAATTAACCCTCACT
AAAGGGAACAAAAGCTGGAGCTGCAAGC