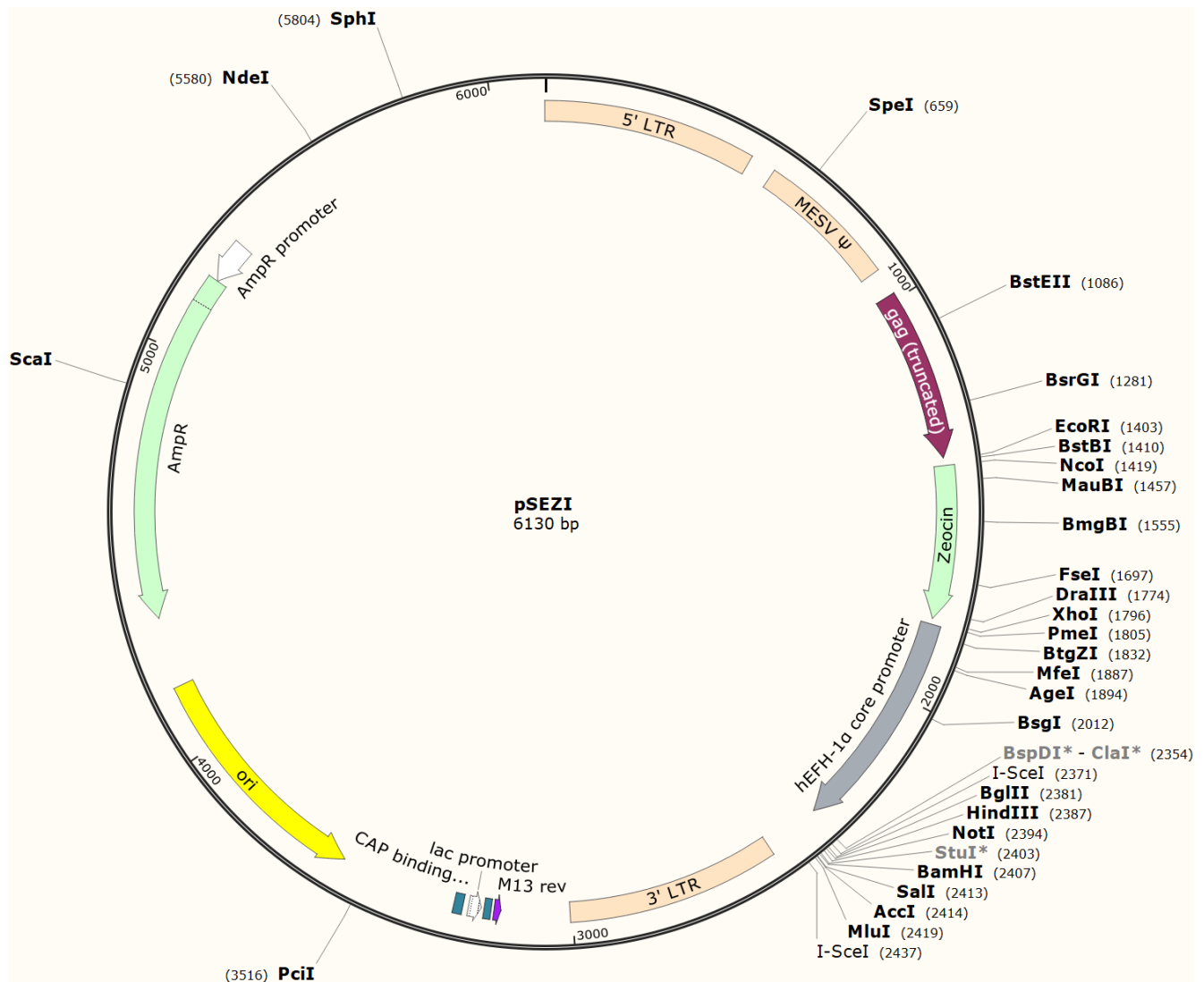


Vector: pSEZI (retroviral overexpression vector, Zeocin selection marker)

Antibiotic Selection: Amp

Creator(s): Ofir Hagag, Xi Wang and Ben Luu, Molecular Oncology Lab of The University of Chicago Medical Center

Date of Construction: June 2019



pSEZI Full-length Sequence*

(* Based on partially sequenced data; not fully sequenced)

TGAAAGACCCACCTGTAGGTTTGGCAAGCTAGCTTAAGTAACGCCATTTTGAAGGCATGGAAAATACATAACT
GAGAATAGAGAAGTTAGATCAAGGTTAGGAACAGAGAGACAGCAGAATATGGGCCAAACAGGATATCTGTGGTAA
GCAGTTCCTCCCGGCTCAGGGCCAAGAACAGATGGTCCCCAGATGCGGTCCCGCCCTCAGCAGTTTCTAGAGAA
CCATCAGATGTTTTCCAGGGTGCCCCAAGGACCTGAAATGACCCTGTGCCTTATTTGAACTAACCAATCAGTTCGC
TTCTCGCTTCTGTTTCGCGCGCTTCTGCTCCCCGAGCTCAATAAAAAGAGCCACAACCCCTCACTCGGCGGCCAG
TCCTCCGATAGACTGCGTCGCCCGGGTACCCGTATTCCCAATAAAGCCTCTTGCTGTTTGCATCCGAATCGTGGA
CTCGCTGATCCTTGGGAGGTCTCCTCAGATTGATTGACTGCCACCTCGGGGGTCTTTCATTTGGAGGTTCCAC
CGAGATTTGGAGACCCCTGCCAGGGACCACCGACCCCGCCGGGAGGTAAGCTGGCCAGCGGTCTGTTTCGTG
TCTGTCTCTGTCTTTGTGCGTGTGTTGTGCCGGCATCTAATGTTTGCCTGCGTCTGTACTAGTTAGCTAACTAG
CTCTGTATCTGGCGGACCCGTGGTGGAACTGACGAGTTCTGAACACCCGCGCAACCCCTGGGAGACGTCCCAGG
GACTTTGGGGCCGTTTTTGTGGCCCCGACCTGAGGAAGGGAGTCGATGTGGAATCCGACCCCGTCAGGATATGTG
GTTCTGGTAGGAGACGAGAACCTAAAACAGTTCCCGCCTCCGTCTGAATTTTTGCTTTCGGTTTGGAAACCGAAGC
CGCGCGTCTTGTCTGCTGCAGCGCTGCAGCATCGTTCTGTGTTGTCTCTGTCTGACTGTGTTTCTGTATTTGTCT
GAAAATTAGGGCCAGACTGTTACCACTCCCTTAAGTTTGACCTTAGGTCCTGAAAGATGTCGAGCGGATCGCT
CACAACCAGTCGGTAGATGTCAAGAAGAGACGTTGGGTACCTTCTGCTCTGCAGAATGGCCAACCTTTAACGTC
GGATGGCCGCGAGACGGCACCTTAACCGAGACCTCATCACCCAGGTTAAGATCAAGGTCTTTTACCTGGCCCG
CATGGACACCCAGACAGGTCCCCTACATCGTGACCTGGGAAGCCTTGGCTTTTGACCCCCCTCCCTGGGTCAAG
CCCTTTGTACACCCTAAGCCTCCGCTCCTCTTCCCTCCATCCGCCCGTCTCTCCCTTGAACCTCCTCGTTTCG
ACCCCGCTCGATCCTCCCTTTATCCAGCCCTCACTCCTTCTCTAGGCGCGGGAATTCGAAaccaccATGGC
CAAGTTGACCAGTGCCGTTCCGGTGCTCACCGCGCGCGACGTCCCGGAGCGGTTCGAGTTCGGACCGACCGGCT
CGGGTCTCCCGGACTTCGTGGAGGACGACTTCGCCGGTGTGGTCCGGGACGACGTGACCCTGTTTCATCAGCGC
GGTCCAGGACCAGGTGGTGCCGGACAACACCCTGGCCTGGGTGTGGGTGCGCGCCTGGACGAGCTGTACGCCGA
GTGGTCCGAGGTCGTGTCCACGAACCTCCGGGACGCTCCGGGCCGGCCATGACCGAGATCGGCGAGCAGCCGTG
GGGGCGGAGTTCGCCCTGCGCGACCCGGCCGCAACTGCGTGCCTTCGTGGCCGAGGAGCAGGACTGActcga
ggtttaaacatgcagCGCTCCGGTGCCGTCAGTGGGCAGAGCGCACATCGCCACAGTCCCCGAGAAGTTGGGG
GGAGGGGTCGGCAATTGAACCGGTGCCTAGAGAAGGTGGCGCGGGGTAAACTGGGAAAGTGATGTGCTGTACTGG
CTCCGCCTTTTTCCCGAGGGTGGGGGAGAACCCTATATAAGTGCAGTAGTCGCCGTGAACGTTCTTTTTTCGCAAC
GGGTTTGGCCGACAGACAGCTGAAGCTAGCTTCGAGGGGCTCGCATCTCTCCTTACGCGCCCGCCGCCCTAC
CTGAGGCCGCCATCCACGCCGGTTGAGTCGCGTTCCTGCGCCTCCCGCCTGTGGTGCCTCCTGAACTGCGTCCGC
CGTCTAGGTAAGTTTTAAAGCTCAGGTCGAGACCGGGCCTTTGTCCGGCGCTCCCTTGGAGCCTACCTAGACTCAG
CCGGCTCTCCACGCTTTGCCTGACCCTGCTTGTCTCAACTCTACGCTTTGTTTTCGTTTTCTGTTCTGCGCCGTTA
CAGATCCAAGCTGTGACCGGCGCCTACatcgatccGCTAGGGATAACAGGGTAATAGATCTAAGCTTGGGCCGC
AGGCCTGGATCCGTGACACGCGTATTACCTGTTATCCCTAATTAaCGATAAAAATAAAAGATTTTTATTTAGTCT
CCAGAAAAGGGGGGAATGAAAGACCCACCTGTAGGTTTGGCAAGCTAGCTTAAGTAACGCCATTTTGAAGGC
ATGGAAAATACATAACTGAGAATAGAGAAGTTCAGATCAAGGTTAGGAACAGAGAGACAGCAGAATATGGGCCAA
ACAGGATATCTGTGGTAAGCAGTTCCTGCCCGGCTCAGGGCCAAGAACAGATGGTCCCAGATGCGGTCCC GCC
CTCAGCAGTTTCTAGAGAACCATCAGATGTTTCCAGGGTCCCCAAGGACCTGAAATGACCCTGTGCCTTATTTG
AACTAACCAATCAGTTTCGCTTCTCGCTTCTGTTTCGCGCGCTTCTGCTCCCGAGCTCAATAAAAAGAGCCACAAC
CCCTCACTCGGCGCGCCAGTCCCTCCGATAGACTGCGTCCCGGGTACCCGTGTATCCAATAAACCCCTCTTGCA
TTGCATCCGACTTGTGGTCTCGCTGTTCTTGGGAGGGTCTCCTCTGAGTGATTGACTACCCGTGACGGGGGTC
TTTCATGGGTAACAGTTTCTTGAAGTTGGAGAACAACATCTGAGGGTAGGAGTCGAATATTAAGTAATCCTGAC
TCAATTAGCCACTGTTTTGAATCCACATACTCCAATACTCCTGAAATAGTTTATTATGGACAGCGCAGAAGAGCT
GGGGAGAATTAATTCGTAATCATGGTTCATAGCTGTTTCTGTGTGAAATTTGTTATCCGCTCACAATCCACACAA
CATAAGAGCCGGAAGCATAAAGTGAAAGCCTGGGGTGCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCG
CTCACTGCCCGTTTTCCAGTCGGGAAACCTGTGCTGCCAGCTGCATTAATGAATCGGCCAACGCGCGGGGAGAGG
CGTTTTGCGTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCTCGGTCTTCCGCTGCGGCGAGC
GGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCACAGAATCAGGGGATAACGCAGGAAAGAACATGTGAGC
AAAAGGCCAGCAAAGGCCAGGAACCGTAAAAGGCCGCGTGTGCTGGCGTTTTTCCATAGGCTCCGCCCCCTGA
CGAGCATCACAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTATAAAGATAACCAGGCGTTTTCC
CCCTGGAAGCTCCCTCGTGCCTCTCCTGTTCCGACCCTGCCGCTTACCGGATACCTGTCCGCTTTTCTCCCTTC
GGGAAGCGTGGCGTTTTCTCATAGCTCACGCTGTAGGTATCTCAGTTCGGTGTAGGTCGTTTCGCTCCAAGCTGGG
CTGTGTGCACGAACCCCGTTCCAGCCCGACCCTGCGCCTTATCCGGTAACCTATCGTCTTGAGTCCAACCCGGT
AAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAGCAGAGCGAGGTATGTAGGCGGTGCTAC

AGAGTTCTTGAAGTGGTGGCCTAACTACGGCTACACTAGAAGGACAGTATTTGGTATCTGCGCTCTGCTGAAGCC
AGTTACCTTCGGAAAAAGAGTTGGTAGCTCTTGATCCGGCAAACAAACCACCGCTGGTAGCGGTGGTTTTTTTTGT
TTGCAAGCAGCAGATTACGCGCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTTCTACGGGGTCTGACGC
TCAGTGGAACGAAAACCTCACGTTAAGGGATTTTGGTTCATGAGATTATCAAAAAGGATCTTCACCTAGATCCTTTT
AAATTAATAATGAAGTTTTAAATCAATCTAAAGTATATATGAGTAAACTTGGTCTGACAGTTACCAATGCTTAAT
CAGTGAGGCACCTATCTCAGCGATCTGTCTATTTTCGTTTCATCCATAGTTGCCTGACTCCCCGTCGTGTAGATAAC
TACGATACGGGAGGGCTTACCATCTGGCCCCAGTGCTGCAATGATACCGCGAGACCCACGCTCACCGGCTCCAGA
TTTATCAGCAATAAACCAGCCAGCCGGAAGGGCCGAGCGCAGAAGTGGTCTGCAACTTTATCCGCCTCCATCCA
GTCTATTAATTGTTGCCGGGAAGCTAGAGTAAGTAGTTTCGCCAGTTAATAGTTTTCGCAACGTTGTTGCCATTGC
TACAGGCATCGTGGTGTACGCTCGTTCGTTTGGTATGGCTTCATTACAGCTCCGGTTCCCAACGATCAAGGCGAGT
TACATGATCCCCATGTTGTGCAAAAAAGCGTTAGCTCCTTCGGTCTCCGATCGTTGTCAGAAGTAAGTTGGC
CGCAGTGTTATCACTCATGGTTATGGCAGCACTGCATAATTCTCTTACTGTCATGCCATCCGTAAGATGCTTTTC
TGTGACTGGTGAGTACTCAACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTTGCCCGGCGTC
AATACGGGATAATACCGCGCCACATAGCAGAACTTTAAAAGTGCTCATCATTGGAAAACGTTCTTCGGGGCGAAA
ACTCTCAAGGATCTTACCGCTGTTGAGATCCAGTTCGATGTAACCCACTCGTGCACCCAACCTGATCTTCAGCATC
TTTTACTTTCCACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGCAAAAATGCCGCAAAAAAGGGAATAAGGGCGAC
ACGGAATGTTGAATACTCATACTCTTCTTTTTCAATATTATTGAAGCATTATCAGGGTTATTGTCTCATGAG
CGGATACATATTTGAATGTATTTAGAAAAATAAACAAATAGGGGTTCCGCGCACATTTCCCCGAAAAGTGCCACC
TGACGTCTAAGAAACCATTATTATCATGACATTAACCTATAAAAATAGGCGTATCACGAGGCCCTTTCGTCTCGC
GCGTTTTCGGTGATGACGGTGAAAACCTCTGACACATGCAGCTCCCGGAGACGGTCACAGCTTGTCTGTAAGCGGA
TGCCGGGAGCAGACAAGCCCGTCAGGGCGCGTCAGCGGGTGTGGCGGGTGTGCGGGCTGGCTTAACCTATGCGGC
ATCAGAGCAGATTGTACTGAGAGTGCACCATATGCGGTGTGAAATACCGCACAGATGCGTAAGGAGAAAAATACCG
CATCAGGCGCCATTTCGCCATTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTATTACG
CCAGCTGGCGAAAGGGGGATGTGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCAGTCACGACGTTG
TAAAACGACGGCGCAAGGAATGGTGCATGCAAGGAGATGGCGCCAACAGTCCCCCGCCACGGGGCCTGCCACC
ATACCCACGCCGAAACAAGCGCTCATGAGCCCGAAGTGGCGAGCCCGATCTTCCCCATCGGTGATGTGCGGCGATA
TAGGCGCCAGCAACCGCACCTGTGGCGCCGGTGTGATGCCGGCCACGATGCGTCCGGCGTAGAGGCGATTAGTCCAA
TTTGTTAAAGACAGGATATCAGTGGTCCAGGCTCTAGTTTTGACTCAACAATATCACCAGCTGAAGCCTATAGAG
TACGAGCCATAGATAAAAATAAAGATTTTATTTAGTCTCCAGAAAAAGGGGGAA