**Table S13.** Sequences of *Cdkn1a*, *Pde7b* and *Sept9* inserted into pcDNA3.1 expression vectors and used for the overexpression experiments.

|  |  |
| --- | --- |
| Gene | DNA sequence |
| *Cdkn1a* (507 bp) | 5’-GCTAGCATGTCCGATCCTGGTGATGTCCGACCTGTTCCACACAGGAGCAAAGTATGCCGTCGTCTGTTCGGTCCCGTGGACAGTGAGCAGTTGAGCCGCGATTGCGATGCGCTCATGGCGAGCTGTCTCCAGGAGGCCCGAGAACGGTGGAACTTTGACTTCGCCACTGAGACGCCACTGGAGGGCAACTACGTCTGGGAGCGTGTTCGGAGCCCAGGGCTGCCCAAGATCTACCTGAGCCCTGGGTCCCGCCGCCGTGATGACCTGGGAGGGGACAAGAGGCCCAGTACCTCCTCGGCCCTGCTGCAGGGGCCAGGGCCAGCTCCGGAGGACCACGTGGCCTTGTCGCTGTCTTGCACTCTGGTGTCTCACGCCCCTGAGAGGCCTGAAGACTCCCCGGGCGGGACCGGGACATCTCAGGGCCGAAAACGGAGGCAGACCAGCCTAACAGATTTCTATCACTCCAAGCGCCGATTGGTCTTCTGCAAGA GAAAGCCCTGACTCGAG-3’ |
| *Pde7b* (1353 bp) | 5’-GCTAGCATGTCTTGTTTAATGGTTGAGAGGTGTGGCGAAGTCTTGTTTGAGAATCCTGAGCAGAATGTCAAATGTGTTTGCATGCTAGGAGATGTACGACTAAGGGGTCAGACGGGGGTTCCTGCCGAACGCCGCGGCTCCTACCCGTTCATTGACTTCCGTCTACTTAACAATACAACACACTCAGGGGAAATTGGCAGCAAGAAAAAGGTGAGGAGACTGTTAAGTTTCCAAAGGCACTTCCATGAATCTAGGCTGCTCCGGGGGATGACACCGCAGGCCCCCCTCCACCTGCTGGACGAAGACTACCTTGGACAAGCAAGGCATATGCTCTCCAAAGTTGGAATGTGGGACTTTGACATTTTCTTGTTTGATCGCTTGACAAATGGGAACAGTCTGGTAACTCTGTTGTGTCACCTCTTCAACTCCCATGGACTCATCCACCATTTCAAGCTTGACATGGTGACCTTACACAGGTTTTTGGTTATGGTTCAGGAAGATTACCACGGCCACAACCCGTACCACAATGCTGTTCATGCAGCTGACGTCACCCAGGCCATGCACTGTTACTTGAAGGAGCCAAAGTTGGCGAGCTTCCTCACACCTCTGGACATCATGCTTGGACTATTGGCTGCAGCAGCTCATGACGTGGACCACCCAGGGGTGAACCAGCCATTTTTGATCAAAACTAACCACCACCTTGCCAACTTGTATCAGAACATGTCCGTACTGGAGAATCACCACTGGCGGTCTACAATCGGCATGCTTCGGGAATCAAGGCTCCTTGCTCATTTGCCAAAGGAAATGACACAGGATATCGAACAGCAGCTGGGCTCCCTGATCTTGGCCACGGACATCAACAGACAGAATGAGTTCCTGACCCGCTTAAAAGCTCACCTCCACAATAAGGATTTGAGACTGGAAAATATACAGGACAGACACTTTATGCTTCAGATCGCCTTGAAGTGCGCTGACATTTGCAATCCTTGTCGAATCTGGGAGATGAGCAAGCAGTGGAGTGAAAGAGTCTGCGAAGAATTCTACAGGCAAGGTGACCTTGAACAGAAGTTTGAACTGGAAATCAGTCCTCTTTGTAATCAACAGAAAGATTCAATCCCTAGCATACAAATTGGTTTCATGACTTACATCGTGGAGCCACTGTTCCGGGAGTGGGCCCGGTTCACTGGGAACAGCACCCTGTCGGAGAGCATGCTAAACCATCTCGCGCACAACAAAGCCCAGTGGAAGAGCCTGCTGTCCAATCAGCACAGACGCAGGGGCAGCGGCCAGGACCCAGCGGGCACGGCGCCTGAGACCCTGGAGCAGACAGAAGGCGCCACGCCCTAACTCGAG-3’ |
| *Sept9* (1710 bp) |  5’-GCTAGCATGGAGAGAGATCGCATCACAGCCTTAAAGAGATCGTTTGAAGTCGAGGAGATTGAGCCGCCGAACTCCACACCACCCCGGAGGGTCCAGACCCCTCTGCTCCGAGCCACGGTGGCCAGCTCCAGCCAGAAATTCCAGGACCTGGGGGTGAAGAACTCAGAGCCTGCTGCTCGCCTTGTAGACACCCTGAGCCAGCGCTCCCCCAAGCCTTCCCTGCGGAGGGTGGACCTGGCAGGGGCCAAGGCGCCTGAGCCCATGTCTCGCCGCACCGAGCTCTCCATTGATATCTCCTCCAAGCAGGTGGAGAGCACAGCCTCAACCCCCGGGCCCTCACGGTTCGGGCTTAAGAGGGCCGAAGTCCTGGGCCATAAGACACCAGAGCCTGTCCCCCGGAGGACGGAAATCACCATTGTCAAGCCTCAAGAGTCAGGGCTCCGCAGGGTAGAGACCCCTGCCTCCAAGGCTCCCGAGGGCTCTGCCATGCCTGTCACCGATGCAGCCCCCAAGAGGGTAGAGATCCAGGTGCCCAAGCCAGCGGAGGCACCCAACTGCCCGCTCCCACCCCAGACCCTGGAGAACTCCGAGGCCCCGATGTCTCAGCTGCAGAGCAGGCTGGAGCCCAGGCCCCCTGTGACTGAGGTCCCATATCGGAACCAGGAAGACTCCGAGGTGGCTCCCAGCTGTGTTGGCGACATGGCTGACAACCCTAGAGATGCCATGCTCAAGCAAGCGCCCGTGTCGAGGAATGAGAAGGCCCCCGTGGACTTTGGCTATGTGGGGATCGACTCCATCCTGGAGCAGATGCGCAGGAAGGCTATGAAACAGGGCTTCGAGTTCAACATCATGGTGGTTGGGCAGAGTGGCCTCGGGAAGTCCACCTTAATCAACACCCTCTTCAAGTCCAAAATCAGCCGGAAGTCGGTGCAACCCATCTCGGAGGAGCGTATCCCCAAGACGATTGAAATCAAGTCCATCACTCACGATATTGAAGAGAAGGGGGTCCGAATGAAGTTGACAGTGATTGACACTCCAGGCTTCGGGGACCACATCAACAATGAGAACTGCTGGCAGCCTATCATGAAGTTTATCAATGACCAGTATGAGAAGTACCTCCAGGAGGAAGTCAATATCAACCGGAAGAAACGCATCCCTGACACCCGCGTCCACTGCTGCCTCTACTTCATCCCAGCCACCGGCCACTCACTCAGGCCCCTGGACATTGAGTTCATGAAGCGCCTAAGCAAGGTGGTGAACATAGTCCCCGTCATTGCCAAGGCTGACACGCTGACCCTGGAGGAGAGGGTCTACTTCAAACAGCGGATCACCTCAGACCTGCTGTCCAACGGTATTGACGTGTACCCCCAGAAGGAGTTTGATGAGGACGCAGAGGACCGACTGGTGAACGAGAAGTTTCGGGAGATGATCCCATTTGCCGTGGTGGGCAGCGACCATGAGTATCAAGTCAATGGCAAGAGGATTCTGGGAAGGAAGACCAAGTGGGGCACCATTGAAGTTGAGAATACCACTCACTGTGAATTTGCCTACCTGCGGGATCTCCTTATCAGGACGCACATGCAGAACATCAAAGACATCACCAGCAACATCCACTTCGAAGCCTACCGTGTGAAACGCCTCAACGAGGGCAACAGTGCCATGGCCAACGGGATCGAGAAGGAGCCGGAAACCCAGGAGATGTAGCTCGAG-3’ |