**Table S5 Primers used for molecular cloning of expression vectors**

|  |  |
| --- | --- |
| **shRNA** | **Sequence (5’-3’)** |
| Scramble shRNA | CCGGCCTAAGGTTAAGTCGCCCTCGCTCGAGCGAGGGCGACTTAACCTTAGGTTTTT |
| sh-MB21D2#1 | CCGGCTGGACTTAGATGAGCTTAATCTCGAGATTAAGCTCATCTAAGTCCAGTTTTTGAATT |
| sh-MB21D2#2 | CCGGGCTGAGCCTTCGGCTCTTTGACTCGAGTCAAAGAGCCGAAGGCTCAGCTTTTTGAATT |
| sh-MB21D2#3 | CCGGTGCAAAGCCATCATCATTAAACTCGAGTTTAATGATGATGGCTTTGCATTTTTGAATT |
| **Homo-MB21D2-NM\_178496.4 5’-3’** | |
| GAATTCGCCACCAtgaagatggcggctcccaccgccaacaaggcagcctccctgggctgtaacaacaagcctgcgttcccggagctggatttcaggtcgggagctcgggtggaggaattgaacaaactcatccaagaatttacgaagcacgaccagcgggaatacgacgaccagagagcgctggagattcacacagccaaggatttcatcttttccatgctgggaatggtgcaaaagctggaccaaaagcttccagtggctaatgaatacctgttgctctctggaggtgtccgggaaggcgtggtggacctggacttagatgagcttaatgtctatgcccggggtactgactatgatatggactttaccctcttggtgccagccctcaagctgcatgaccgtaatcagcctgtgacactcgacatgcgccactcagccttgtgccactcttggctgagccttcggctctttgatgaggggacaatcagtaaatggaaagactgctgcaccattgtagatcacatcaatggtgccaccaactacttcttctcacctaccaaagtggctgactggttctatgactctatcagcattgtcctatcagaaatacagaagaaaccccagcgagggatgccaaaggtagaaaaggtggaaaaaaatgggaccatcatctccatcattctgggtgtagggagtagtcgcatgttgtatgatattgtccctgtggtatctttcaaaggttggcctgcagtggcccagagctggctcatggagaaccacttttgggatgggaagattactgaggaagaggtcatcagtgggttttacttggtgcctgcttgctcctacaagggtaagaaggacaatgaatggcggctgtcctttgccaggagcgaggtgcagttgaagaagtgcatctccagcagcctcatgcaggcctatcaggcctgcaaagccatcatcattaaactgctgtcccggcccaaggctattagcccctatcacctgcggagcatgatgctctgggcctgcgacagacttcctgccaactacttggctcaagaagactatgcagcccactttttgctgggcctcatcgatgacctgcaacactgtctggtcaacaagatgtgccccaattatttcatccctcagtgcaacatgctggaacatctgtctgaggagacagtcatgcttcacgcccggaagctgtcctctgtgcgctcagacccggcagagcacttgcgcaccgccattgagcatgtcaaggcagccaaccggctgacactggagctccagaggcgaggtagcaccaccagcatcccctctccacagtctgacggaggggaccccaaccagcctgatgaccgtttggcaaaaaaactgcagcagctagtgactgagaacccgggaaagtcaatctctgtctttatcaatcctgacgatgtcacaaggccccatttcagaattgatgacaaatttttctgaGGATCC | |