**Table. S1.** Sequence of siRNA used in the study.

|  |  |
| --- | --- |
| Gene | Sequence of siRNA |
| si-m-Cntfr\_001 | CCAACAATCTCCTGATCTG |
| si-m-Cntfr\_002 | CACCTGTTCTCAACCATCA |
| si-m-Cntfr\_003 | AATCCTTTCCTCTCAAGTT |

**Table. S2.** Sequence of Vector for RNA pulldown

|  |  |
| --- | --- |
|  | Vector for RNA pulldown; Vector: pcDNA3.1(+) |
| mus-cntfr in pcDNA3.1(+) | GAGCTCCCTCGGGCTGGACCCTCCAACGCCAGCGACTCCCAGGAGCCCTTGGGGGACCTGAGGGGAGCCCCCACCCCACATCCACAGTTTTCTCCTCCTGCCCCAGCCTCCTGTCTGTCCCAGGGTCTTTGTTGCCACCATCAGATTATAAGCTCCTGACACTGGGGGGGCCCAGCCATCCCCCTCCCCCCGGTGCCCACACTTTTCAGTCCTTCCACCTTTGCCCCTGTTTTGTACGATCCTCCATTGGCCCTTTCCTACCCCCCAGTATTTAATGTCCTGTCAGTCCCTTCTAGTCTGACTCAATGGTAACGTCGAC |
| antisense-MUT-  cntfr in pcDNA3.1(+) | CAGCTGCAATGGTAACTCAGTCTGATCTTCCCTGACTGTCCTGTAATTTATGACCCCCCATCCTTTCCCGGTTACCTCCTAGCATGTTTTGTCCCCGTTTCCACCTTCCTGACTTTTCACACCCGTGGCCCCCCTCCCCCTACCGACCCGGGGGGGTCACAGTCGAAATTGCTTAGACTACCACCGTTGTTTCTGGGACCCTGTCTGTCCTCCGACCCCGTCCTCCTCTTTTGACACCTACACCCCACCCCCGAGGGGAGTCCAGGGGGTTCCCGAGGACCCTCAGCGACCGCAACCTCCCAGGTCGGGCTCCCTCGAG |

**Table. S3.** Sequence of Vector for Dual-luciferase reporter

|  |  |
| --- | --- |
|  | Vector for Dual-luciferase reporter; Vector: pmirGLO |
| PmirGLO-Cntfr-3’UTR（WT） | GAGCTCCCTCGGGCTGGACCCTCCAACGCCAGCGACTCCCAGGAGCCCTTGGGGGACCTGAGGGGAGCCCCCACCCCACATCCACAGTTTTCTCCTCCTGCCCCAGCCTCCTGTCTGTCCCAGGGTCTTTGTTGCCACCATCAGATTATAAGCTCCTGACACTGGGGGGGCCCAGCCATCCCCCTCCCCCCGGTGCCCACACTTTTCAGTCCTTCCACCTTTGCCCCTGTTTTGTACGATCCTCCATTGGCCCTTTCCTACCCCCCAGTATTTAATGTCCTGTCAGTCCCTTCTAGTCTGACTCAATGGTAACGTCGAC |
| PmirGLO-Cntfr-3’UTR（MUT） | GAGCTCCCTCGGGCTGGACCCTCCAACGCCAGCGACTCCCAGGAGCCCTTGGGGGACCTGAGGGGAGCCCCCACCCCACATCCACAGTTTTCTCCTCCTGCCCCAGCCTCCTGTCTGTCCCAGGGTCTTTGTTGCCACCATCAGATTCGTTAAAGCTGACACTGGGGGGGCCCAGCCATCCCCCTCCCCCCGGTGCCCACACTTTTCAGTCCTTCCACCTTTGCCCCTGTTTTGTACGATCCTCCATTGGCCCTTTCCTACCCCCCAGTATTTAATGTCCTGTCAGTCCCTTCTAGTCTGACTCAATGGTAACGTCGAC |