

The primer for Gab2 mRNA:

Forward primer: CCCTGTGTCAAACCACATGC

Reverse primer: CTGCTCTTCGGCTTATGCACT

The mimic and inhibitors of miRNA:

miR-9-5p mimic 5-UCUUUGGUUAUCUAGCUGUAUGA-3

3-AGAAACCAAUAGAUCGACAUACU-5

inhibitor 5-UCAUACAGCUAGAUAAACCAAAGA-3

miR-34a-5p mimic: 5-UGGCAGUGUCUUAGCUGGUUGU-3

3-ACCGUCACAGAAUCGACCAACA-5

Inhibitor: 5-ACAACCAGCUAAGACACUGCCA-3

miR-181a-5p mimic: 5-AACAUUCAACGCUGUCGGUGAGU-3

3-UUGUAAGUUGCGACAGCCACUCA-5

Inhibitor: 5-ACUCACCGACAGCGUUGAAUGUU-3

miR-181c-5p mimic: 5-AACAUUCAACCUGUCGGUGAGU-3

3-UUGUAAGUUGCACAGCCACUCA-5

Inhibitor: 5-ACUCACCGACACGUUGAAUGUU-3

The primers of miRNA-Gab2 3'UTR binding reporter-luciferase constructs:

miR-181a-Forward primer:AGCTTTGTTTAAACGGACCGTTCCTAGGATGG

miR-181a-Reverse primer:GCTCTAGAAATGCTAGGAGGAGAGGTGCAGCT

miR-9-Forward primer:CTAGCTAGCTCGGGGCCCAGCTGTGATTTTT

miR-9-Reverse primer:ACGCGTCGACACAGTGTCTTGTTCATCTCCA

The mutation primers were designed as follows:

miR-181-a-Fm: GGGTGGGGGATCCACCCACCTTTATGTTGACTGTT

miR-181-a-Rm: AACAGTCAACATAAAGGTGGGTGGATCCCCACCC

miR-9-Fm: AGGGAGGAGCGGATCCTCACGTTGCCTTGGATAAT

miR-9-Rm: ATTATCCAAGGCAACGTGAGGATCCGCTCCTCCCT