

Figure S1. The sequence of (A) hsa_circRNA_0079201 plasmid or its mutated fragment and (B) SMAD2 plasmid or its mutated fragment. WT, wild-type; Mut, mutated; circRNA, circular RNA; miR, microRNA.

A Luciferase reporter assay: hsa_circRNA_0079201 plasmid mutated

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hsa_circ_0079201-wt:↵
GCCCCAAGAGCTCCCAGCTCCCAGCTCCCAGCAGCAGGCACTGCGAGCAAGACTGGCCGCCGGATTCCA
GCGAGGAGGGGCTCCCGCGGCCCCGCTCCCCCTGCTCTGATGGGAGAAGAGACGCCGCGGCCAGAGT
CCTGCAGGCCCAGTGGAAGGTGTACAAGCACAAGAAAAAAAGGCTGTTCTGGATGAGGCGGCTGTG
GTGCTTCAGGCAGCTTTTCAGGGGACATCTCACGCGGACAAAGCTCTTAGCAAGCAAAGCACATGGCT
CAGAGCCACCCAGCGTGCCAGGCCTCCCAGACCAG↵
hsa_circ_0079201-mut:↵
GCCCCAAGAGCTCCCAGCTCCCAGCTCCCAGCAGCAGGCACTGCGAGCAAGACTGGCCGCCGGATTCCA
GCGAGGAGGGGCTCCCGCGGCCCCGCTCCCCCTGCTCTGATGGGAGAAGAGACGCCGCGGCCAGAGT
CCTGCAGGCCCAGTGGAAGGTGTACAAGCACAAGAAAAAAAGGCTGTTCTGGATGAGGCGGgTcTc
GaGCTTCAGGCAGCTTTTCAGGGGACATCTCACGCGGACAAAGCTCTTAGCAAGCAAAGCACATGGCT
CAGAGCCACCCAGCGTGCCAGGCCTCCCAGACCAG↵
↵
>hsa-miR-140-3p MIMAT0004597↵
5'-UACCACAGGGUAGAACCACGG-3'↵

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B Luciferase reporter assay: SMAD2 plasmid mutated

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h-SMAD2-3UTR-wt:
AGCTTCACCAATCAAGTCCCATGAAAAGACTTAATGTAACAACCTCTTCTGTCATAGCATTGTGTGTGGTCCCTATGG
ACTGTTTACTATCCAAAAGTTCAAGAGAGAAAACAGCACTTGAGGTCTCATCAATTAAAGCACCTTGTGGAATCTGT
TTCCTATATTTGAATATTAGATGGGAAAATAGTGTCTAGAAATACTCTCCATTAAAGAGGAAGAGAAGATTTTAA
AGACTTAATGATGTCTTATTGGGCATAAACTGAGTGTCCCAAAGGTTTATTAATAACAGTAGTAGTTA↓
↓
h-SMAD2-3UTR-mut:↓
AGCTTCACCAATCAAGTCCCATGAAAAGACTTAATGTAACAACCTCTTCTGTCATAGCATTGTGaGaGcTCCCTATGG
ACTGTTTACTATCCAAAAGTTCAAGAGAGAAAACAGCACTTGAGGTCTCATCAATTAAAGCACCTTGTGGAATCTGT
TTCCTATATTTGAATATTAGATGGGAAAATAGTGTCTAGAAATACTCTCCATTAAAGAGGAAGAGAAGATTTTAA
AGACTTAATGATGTCTTATTGGGCATAAACTGAGTGTCCCAAAGGTTTATTAATAACAGTAGTAGTTA↓
↓
>hsa-miR-140-3p MIMAT0004597↓
UACCACAGGGUAGAACCACGG↓

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Figure S2. Successful transfection was observed in the cells transfected with the hsa_circRNA_0079201 overexpressing and empty plasmid. GFP, green fluorescent protein.

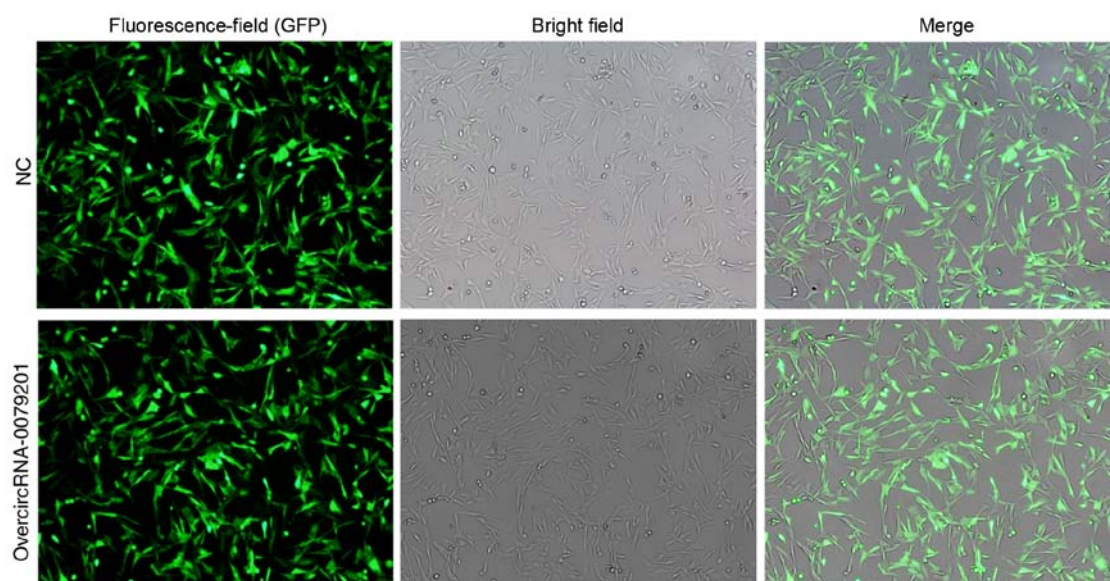


Figure S3. The mRNA expression level of (A) hsa-miR-140-3P, (B) hsa-miR-635 and (C) hsa-miR-564 was decreased following transfection with overcircRNA_0079201 vector. * $P < 0.05$, *** $P < 0.001$ vs. NC. NC, negative control; circRNA, circular RNA; miR, microRNA.

