

Figure S1. Relative expression level of TUG1 after transfection with shNC or three shRNAs. * $P < 0.05$, ** $P < 0.01$. sh, short hairpin RNA; TUG1, taurine upregulated 1; NC, negative control.

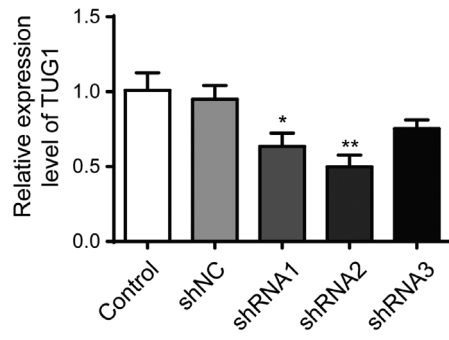


Figure S2. Luciferase activity was detected using a dual luciferase reporter assay system. $^{**}P<0.01$. miR, microRNA; WT, wild-type; MUT, mutant; TUG1, taurine upregulated 1; NC, negative control.

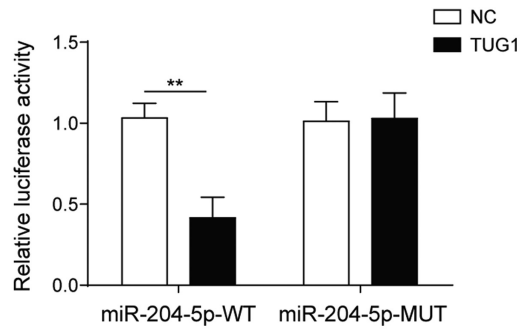


Figure S3. Relative expression level of JAK2 after transfection with siNC or siJAK2. ^{**}P<0.01. JAK, Janus kinase 2; si, small interfering RNA; NC, negative control.

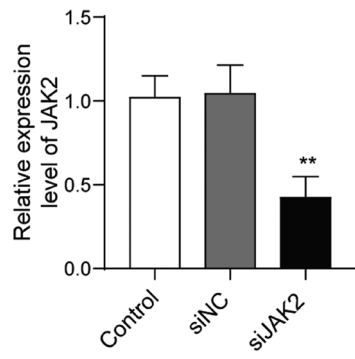


Figure S4. Protein expression levels of VEGFA, p-JAK2, JAK2, p-STAT3 and STAT3 were detected via western blot analysis in HepG2 cells. *P<0.05, **P<0.01. p, phosphorylated; miR, microRNA; JAK, Janus kinase 2; sh, short hairpin RNA; TUG1, taurine upregulated 1; si, small interfering RNA.

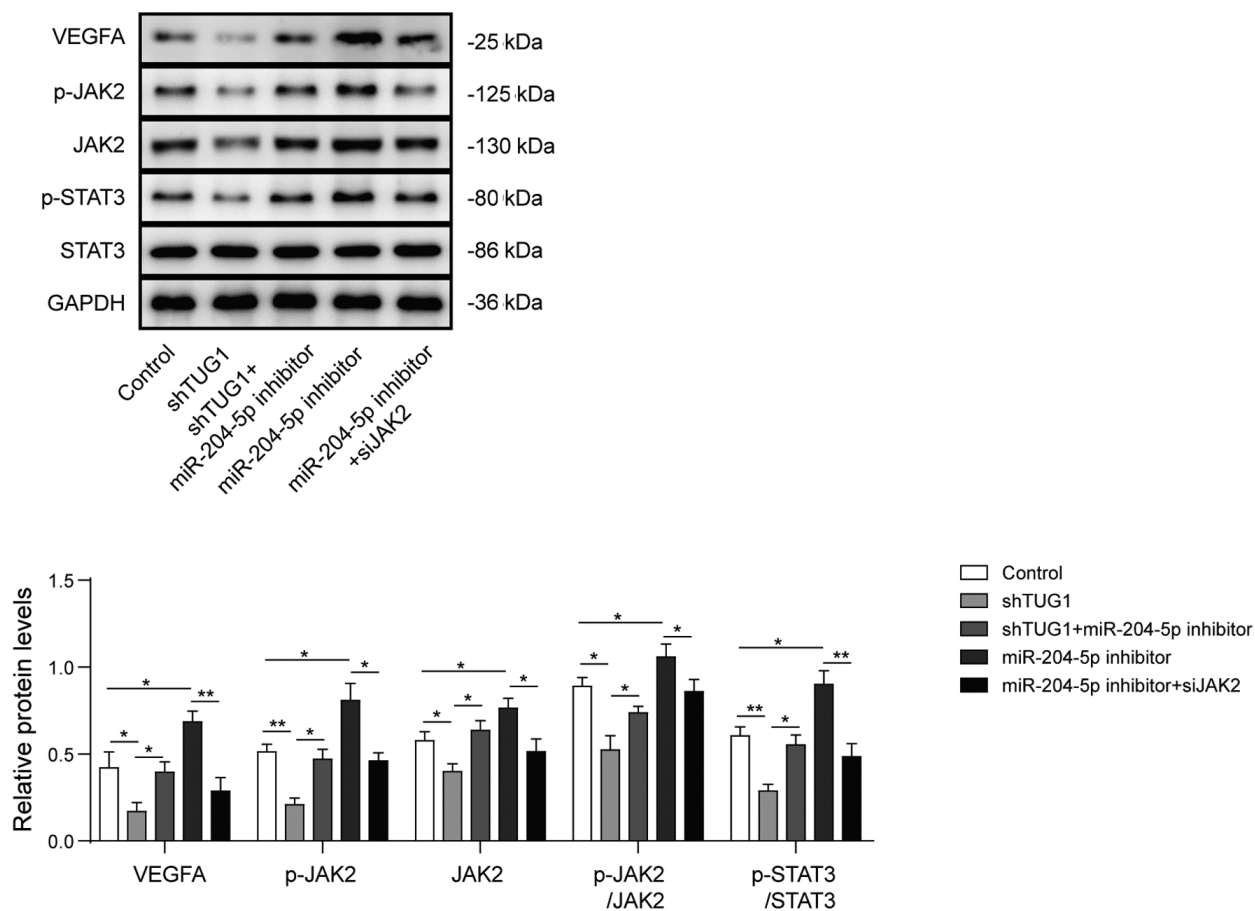


Table SI. The shRNA sequences of lncRNA TUG1.

shRNA	ence (5'→3')
shRNA1	GATCCGGGAGG TTCATAAAGTACATGCTTCAAGAGAGCATGTACTTTATGAACCTCCTTTTTG
shRNA2	GATCCGGCAGATATTCTGACCCATTGGTTCAAGAGACCAATGGGTCAGAATATCTGCTTTTTG
shRNA3	GATCCGGCTTGAAACCACTACCCTAGATTCAAGAGATCTAGGGTAGTGGTTTCAAGCTTTTTG
sh-NC	GATCCGGCATATTGTCAACCTGTTTGCTTCAAGAGAGCAAACAGGTTGACAATATGCTTTTTG

shRNA, short hairpin RNA; NC, negative control.