

## Supplementary material

**Tab 1: Upstream and downstream primers of bFGF, collagen III, collagen I, Integrin  $\beta$ 1, MEK1/2, and ERK1/2.**

Gene	Forward primer (5'-3')	Reverse primer (5'-3')
bFGF	CCCAAGCCGCTCTACTG	AAACAAACACTCATCCGTAACAC
CollagenIII	GTTCTAGAGGATGGCTGTACTAAAC ACA	TTGCCTTGCGTGTTTGATATTC
Collagen I	CTGGCGGTTTCAGGTCCAAT	TTCCAGGCAATCCACGAGC
Integrin $\beta$ 1	TTGTGGAGGCAATGGCGTGTGC	ACAGACGCCAAGGCAGGTCTGA
MEK1/2	CTGGCAATGGCGGTGTGGTGT	TCGCCATCGCTGTAGAACGCAC
ERK1/2	AGGCTGTTCCCAAATGCTG	CGGGTCGTAATACTGCTCC

**Information of the primary antibody:**

bFGF (1:1000, ThermoFisher, Scientific, OSG00014W), collagen III (1:1000, Abcam. ab7778), collagen I (1:1000, Abcam. ab34710), integrin $\beta$ 1 (1:1000, Servicebio, 34971s), p-MEK1/2(1:500, Wanleibio, WL03328), p-ERK1/2 (1:500, Wanleibio, WL01864), ERK1/2 (1:800, affinity, AF0155), After primary incubation, incubated with HRP-labeled secondary antibodies (1:3000, Servicebio, Wuhan, China) for 1h at room temperature. Rabbit anti- $\beta$ -actin primary antibody (1:1000, Servicebio, GB11001), Rabbit anti-Tublin primary antibody (1:1000, Abcam, ab179513).