

**Table S1. Primer sequences for RT-qPCR**

| Gene          | Sense/antisense sequences   |
|---------------|---|
| HRC           | Forward: 5' GGAACAACAGCACTGGAG 3'<br>Reverse: 5' GTGCTCAGCTGAGTCTTC 3'          |
| $\alpha$ -SMA | Forward: 5' CCGAGATCTCACCGACTACC 3'<br>Reverse: 5' TCCAGAGCGACATAGCACAG 3'      |
| GAPDH         | Forward: 5' TCATTGACCTCAACTACATGGTTT 3'<br>Reverse: 5' GAAGATGGTGATGGGATTTTC 3' |
| CTGF          | Forward: 5' CAGCATGGACGTTTCGTCTG 3'<br>Reverse: 5' AACACGGTTTGGTCCTTGG 3'       |
| Col1A1        | Forward: 5' GAGGGCCAAGACGAAGACATC 3'<br>Reverse: 5' CAGATCACGTCATCGCACAAC 3'    |
| Col3A1        | Forward: 5' GGAGCTGGCTACTTCTCGC 3'<br>Reverse: 5' GGGAACATCCTCCTTCAACAG 3'      |
| ATF4          | Forward: 5' CCCTTCACCTTCTTACAACCTC 3'<br>Reverse: 5' TGCCAGCTCTAAACTAAAGGA 3'   |
| Grp78         | Forward: 5' CATCACGCCGTCCTATGTCG 3'<br>Reverse: 5' CGTCAAAGACCGTGTTCTCG 3'      |
| CHOP          | Forward: 5' GGAAACAGAGTGGTCATTCCC 3'<br>Reverse: 5' CTGCTTGAGCCGTTTATTCTC 3'    |
| Beclin1       | Forward: 5' GGTGTCTCTCGCAGATTCATC 3'<br>Reverse: 5' TCAGTCTTCGGCTGAGGTTCT 3'    |

RT-qPCR, reverse-transcription quantitative polymerase chain reaction; HRC, histidine-rich calcium-binding protein;  $\alpha$ -SMA, smooth muscle  $\alpha$ -actin; CTGF, connective tissue growth factor; COL1A1, collagen type I, alpha 1; COL3A1, collagen type III, alpha 1; ATF4, activating transcription factor 4; GRP78, glucose-regulated protein 78; CHOP, C/EBP homologous protein.

**Table S2. Primary antibodies for western blot**

| <b>Protein</b> | <b>Concentration for western blot</b> | <b>Specificity</b> | <b>Company</b>            |
|----------------|---------------------------------------|--------------------|---------------------------|
| HRC            | 1:1000                                | Rabbit polyclonal  | Abnova                    |
| Beclin-1       | 1:1000                                | Rabbit monoclonal  | Cell Signaling Technology |
| LC3            | 1:1000                                | Rabbit monoclonal  | Cell Signaling Technology |
| Col1A1         | 1:1000                                | Rabbit monoclonal  | Santa Cruz Biotechnology  |
| CTGF           | 1:500                                 | Rabbit polyclonal  | Signalway Antibody        |
| $\alpha$ -SMA  | 1:1000                                | Mouse monoclonal   | Proteintech               |
| ATF4           | 1:500                                 | Rabbit polyclonal  | Proteintech               |
| CHOP           | 1:500                                 | Rabbit polyclonal  | Proteintech               |
| Grp78          | 1:200                                 | Rabbit polyclonal  | Proteintech               |
| GAPDH          | 1:10,000                              | Mouse monoclonal   | Promoter                  |

HRC, histidine-rich calcium-binding protein;  $\alpha$ -SMA, smooth muscle  $\alpha$ -actin; CTGF, connective tissue growth factor; COL1A1, collagen type I, alpha 1; ATF4, activating transcription factor 4; GRP78, glucose-regulated protein 78; CHOP, C/EBP homologous protein; LC3, light chain 3.