

Supplementary material

Reagents

Formononetin (FN), MedChem Express (HY-N0183), Fetal Bovine Serum (Gibco,2176404), DMEM/F12(Gibco,8122157), PBS(Cytiva, SH30256.01) Streptozotocin (S17049), irbesartan (S42406) were purchased from Shanghai yuanye Bio-Technology Co., Ltd. (Shanghai, China). 24h-UTP(C035-2-1), creatinine (Cr, C011-2-1) and blood urea nitrogen (BUN, C013-2-1), BCA(A045-4-2), HE staining assay kit (D006-1-1), PAS (D004-1-1) were purchased from Nanjing Jiancheng Biological Engineering Institute (Nanjing, China). IL-1 β (ml106733), IL-6(ml098430), TNF- α (ml002095) were purchased from Shanghai meilian Bio-Technology Co., Ltd. (Shanghai, China). MDM2 (51541S, 1/1000), P53 (2524S, 1/1000), P21(64016S, 1/1000) were purchased from cell signaling technology (Shanghai, China). CCND1 (ab226977, 1/5000) were purchased from Abcam (Shanghai, China) ; PCNA(Proteintech, 10205-2-AP, 1:10000)

Supplementary Table 1 Primers for reverse transcription-quantitative polymerase chain reaction analysis

Gene	Forward primer sequence	Reverse primer sequence
<i>MDM2</i>	5'-GGCCTCCAGGTTAGACCA AA-3'	5'-CAATGTGCTGCTGCTTCTCG -3'
<i>p21</i>	5'-GTTGTCTCTTCGGTCCCGTG -3'	5'-AGAGTGCAAGACAGCGAC AA-3'
<i>p53</i>	5'-TGCATGGACGATCTGTTGC T-3'	5'-GAAGCCATAGTTGCCCTGG T-3'
<i>CCND1</i>	5'-CCATGCTCAAGACGGAGG AG-3'	5'-AGATGCACAACTTCTCGGC A-3'
<i>actb</i>	5'-GGTGGGAATGGGTCAGAA GG-3'	5'-AGGTGTGGTGCCAGATCTT C-3'