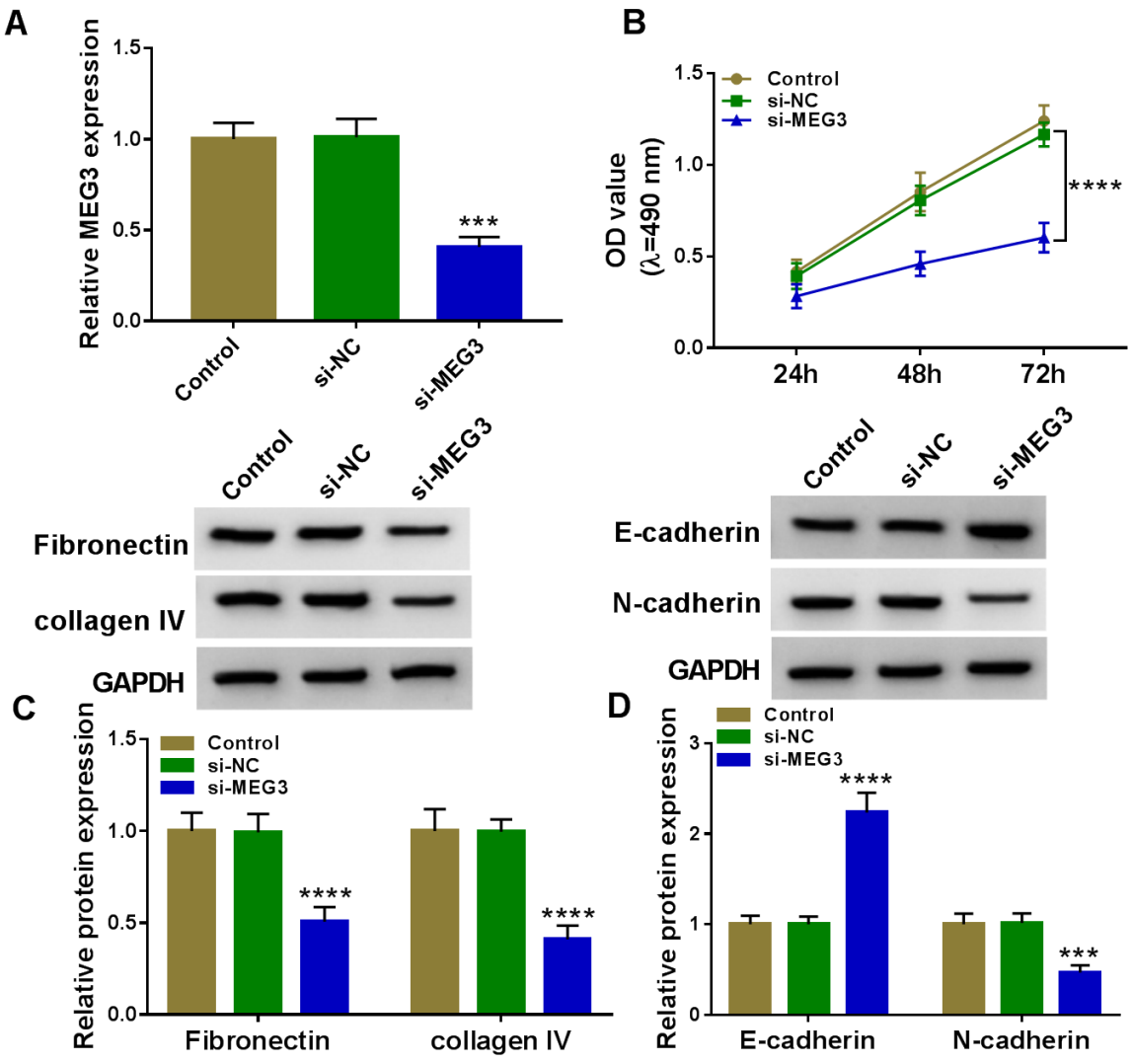

Supplementary Figure 5. Effects of MEG3 inhibition on proliferation, ECM accumulation, and EMT of mesangial cells isolated from DN kidney tissues. (A–D) Mesangial cells were isolated from DN kidney tissues. (A) qRT-PCR verified the knockdown efficiency of si-MEG3 in mesangial cells. (B) Analysis of the proliferation of mesangial cells with si-NC or si-MEG3. (C, D) Detection of fibronectin, collagen IV, E-cadherin, and N-cadherin protein levels in mesangial cells with si-NC or si-MEG3.

DN, diabetic nephropathy; ECM, extracellular matrix; EMT, epithelial-mesenchymal transition; GAPDH, glyceraldehyde 3-phosphate dehydrogenase; MEG3, maternally expressed gene 3; NC, negative control; OD, optical density; qRT-PCR, quantitative reverse transcription polymerase chain reaction; si, small interfering.

***$p < 0.001$ and ****$p < 0.0001$.