

Figure S1. Ox-LDL-induced proliferation of VSMCs. MTT assay was used to determine the proliferation of VSMCs treated with different concentrations of ox-LDL (0, 25, 50, 75, 100, 125 and 150 $\mu\text{g/ml}$) for different times (24, 48 and 72 h). * $P < 0.05$. VSMCs, vascular smooth muscle cells; ox-LDL, oxidized low-density lipoprotein.

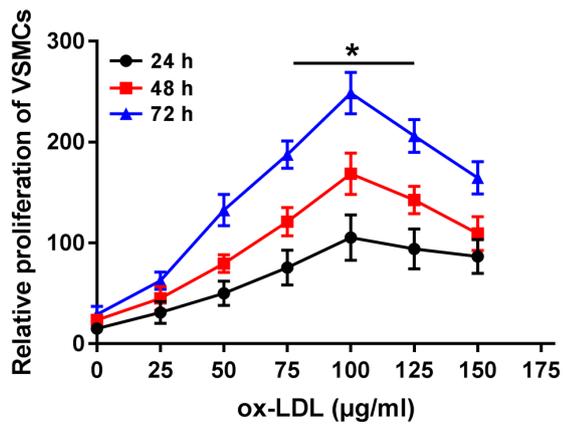


Figure S2. Transfection efficiency of si-circ_0010283, anti-miR-370-3p, miR-370-3p mimics and the HMGB1 overexpression vector were verified in VSMCs. (A) The expression of circ_0010283 in VSMCs transfected with si-circ_0010283 or si-NC was detected by RT-qPCR. (B and C) The expression of miR-370-3p was detected by RT-qPCR in VSMCs transfected with miR-NC, miR-370-3p mimics, anti-miR-NC or anti-miR-370-3p. (D and E) The mRNA and protein levels of HMGB1 were detected by RT-qPCR and western blotting in VSMCs transfected with the HMGB1 overexpression or empty vector. * $P < 0.05$. VSMCs, vascular smooth muscle cells; ox-LDL, oxidized low-density lipoprotein; HMGB1, high mobility group box 1; si, small interfering; circ, circular RNA; miR, microRNA; NC, negative control; RT-qPCR, reverse transcription-quantitative PCR.

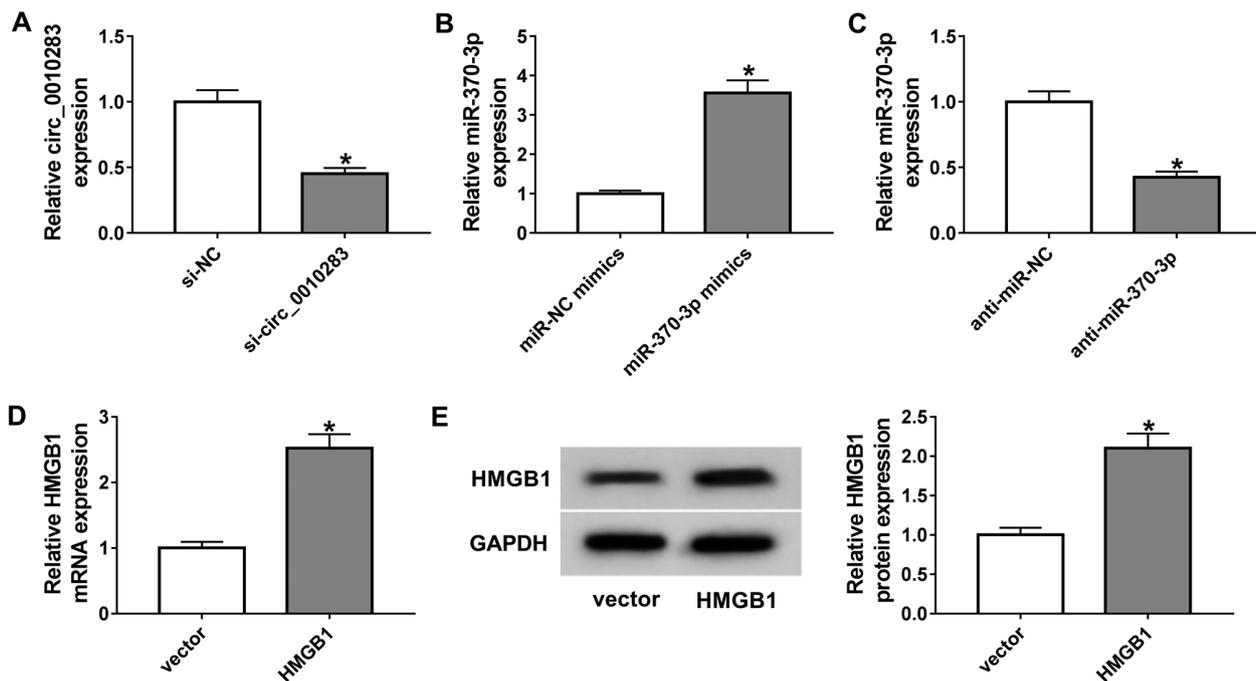


Figure S3. HMGB1 is overexpressed in ox-LDL induced VSMCs transfected with the HMGB1 overexpression vector. (A and B) The mRNA and protein levels of HMGB1 in ox-LDL-induced VSMCs transfected with the HMGB1 overexpression or empty vector were detected by (A) reverse transcription-quantitative PCR and (B) western blotting, respectively. * $P < 0.05$. VSMCs, vascular smooth muscle cells; ox-LDL, oxidized low-density lipoprotein; HMGB1, high mobility group box 1.

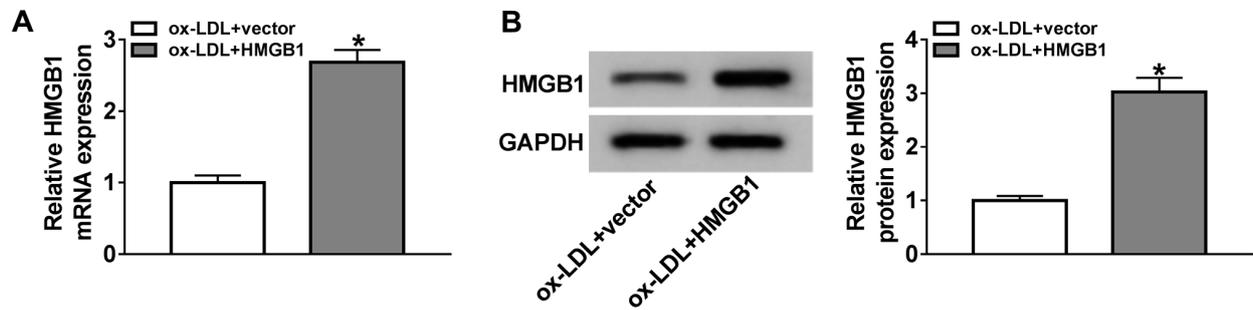


Figure S4. Circ_0010283 contributes to cell proliferation and migration via targeting miR-370-3p to regulate HMGB1 expression in ox-LDL induced VSMCs. VSMCs, vascular smooth muscle cells; ox-LDL, oxidized low-density lipoprotein; circ, circular RNA; miR, microRNA.

