Supplementary Materials

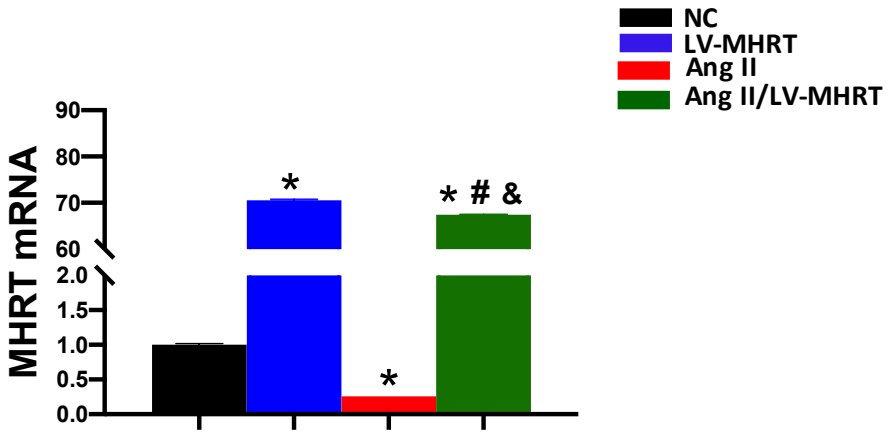


Figure S1. The expression of MHRT in AC16 cardiomyocyte with MHRT overexpression and Ang II treatment. AC16 cells of LV-MHRT and NC were stimulated with/without Ang II (100nM) for 24h and mRNA was harvested to analyze the transcription of MHRT by qPCR. Data are presented as the mean ± SD (n = 6). * p <0.05 vs. NC, #p <0.05 vs. Ang II, &p <0.05 vs. LV-MHRT.

Table S1. The primers for human AC16 cells

Gene	Forward Primer	Reverse Primer	Gene Accession Number
GAPDH	GGTGAAGCAGGCGTCGGAGG	GAGGGCAATGCCAGCCCAG	NM_001289746.2
MHRT	CCGACTGCGACTCCTCATAC	GGCTGAAGAGTGAGCCTTGT	NR_126491.1
NLRP3	GTGGAGATCCTAGGTTTCTCTG	CAGGATCTCATTCTCTTGGATC	NM_001243133.2
caspase-1	ACACGTCTTGCCCTCATTATCT	ATAACCTTGGGCTTGTCTTTCA	NM_001257119.3
IL-1β	CCCTGCAGCTGGAGAGTGTGG	TGTGCTCTGCTTGAGAGGTGC	NM_000576.3
Nrf2	CTTGGCCTCAGTGATTCTGAAGTG	CCTGAGATGGTGACAAGGGTTCA	NM_001313904.1
CAT	TGAAGATGCGGCGAGACTTT	TGGATGTAAAAAGTCCAGGAGGG	NM_001752.4
HO-1	ATGGCCTCCCTGTACCACATC	TGTTGCGCTCAATCTCCTCCT	NM_002133.3
TXNIP	CTTGCGGAGTGGCTAAAGTG	ATTCTCACCTGTTGGCTGGT	NM_006472.6

Table S2. The primers for mouse tissues

Gene	Forward Primer	Reverse Primer	Gene Accession Number
GAPDH	GCAAGTTCAACGGCACAG	GCCAGTAGACTCCACGACAT	NM_001411845.1
MHRT	GAGCATTTGGGGATCCTATAC	TCTGCTTCATTGCCTCTGTTT	NR_033497.1
Nrf2	TCACACGAGATGAGCTTAGGGCAA	TACAGTTCTGGGCGGCGACTTTAT	NM_010902.5
NLRP3	AGAAGAGACCACGGCAGAAG	CCTTGGACCAGGTTCAGTGT	NM_145827.4
caspase-1	TCAGCTCCATCAGCTGAAAC	TGGAAATGTGCCATCTTCTTT	NM_009807.2
IL-1β	TTCCTTGTGCAAGTGTCTGAAG	CACTGTCAAAAGGTGGCATTT	NM_008361.4
HO-1	AGGTACACATCCAAGCCGAGA	CATCACCAGCTTAAAGCCTTCT	NM_010442.2
CAT	GGAGGCGGGAACCCAATAG	GTGTGCCATCTCGTCAGTGAA	NM_009804.2