

Table S1. Nucleotide sequences of shRNAs used for gene knockdown

shRNA	Sense strand	Antisense Strand
SCR	5'-GATCCATGTA <b>CTGCGCGTGGAGAC</b> TTCAAGA GAGTCTCCACGCGCAGTACATTC <b>TTTTTTGGAAA</b> -3'	5'-AGCTTTTCCAAAAA <b>AGAGCTATGAAGATT</b> CGATT TCTCTTGAA <b>GTCTCCACGCGCAGTACATG</b> -3'
hHSF1-KD	5'-GATCCAGGTTGTT <b>TCATAGTCAGAA</b> TTCAAGAGA TTCTGACTATGAACA <b>ACTGCTTTTTTTGGAAA</b> -3"	5'-AGCTTTTCCAAAAA <b>GCAGGTTGTTTCATAGTCAGAA</b> TCTCTTGAA <b>TTCTGACTATGAACAACCTG</b> -3'
hPARP1-KD	5'-GATCCGATAGAGCGTGA <b>AGGCGAA</b> CTCAAGAGA TTCGCCTT <b>CACGCTCTATCTTTTTTTGGAAA</b> -3'	5'-AGCTTTTCCAAAA <b>AGATAGAGCGTGAAGGCGAA</b> TCTCTTGAG <b>TTCGCCTTCACGCTCTATCG</b> -3'
hPARP13-KD	5'-GATCCGAGTAGCACTT <b>GTTAACGA</b> TTCAAGAGA TCGTTAACA <b>AGTGCTACTCTTTTTTTGGAAA</b> -3'	5'-AGCTTTTCCAAAA <b>AGAGTAGCACTTGTTAACGA</b> TCTCTTGAA <b>TCGTTAACAAGTGCTACTCG</b> -3'

Table S2. Primer sequences used for RT-PCR

RT-PCR	Forward primer	Reverse primer
hHSP110	5'-ACCCGTTGTAACACAACCGAAA-3'	5'-AGGAATCTGAAAGTTACCAAGGCA-3'
hHSP90	5'-ACCGATTGGTGACATCTCCATGCT-3'	5'-CCAGGTGTTTCTTTGCTGCCATGT-3'
hHSP70	5'-AGAGCCGAGCCGACAGAG-3'	5'-CACCTTGCCGTGTTGGAA-3'
hHSP40	5'-CCCTCATGCCATGTTTGCTGAGTT-3'	5'-CCAAAGTTCACGTTGGTGAAGCCA-3'
hHSP27	5'-AACGAGATCACCATCCAGTACCTT-3'	5'-TAAGGCTTACTTGGCGGCAGTCT-3'
hactin	5'-GTGCCCATCTACGAGGGGTATG-3'	5'-GTGCCCATCTACGAGGGGTATG-3'

Table S3. Primer sequences used for qRT-PCR

Real-time PCR	Forward primer	Reverse primer	Probe
hHSP70	5'-GCCGAGAAGGACGAGTTGA-3'	5'-CCTGGTACAGTCCGCTGATGA-3'	5'-FAM-TTACACACCTGCTCCAGCTC CTTCTCTT-TAMRA-3'
hGAPDH	5'-GTTTCGACAGTCAGCCGCATC-3'	5'-GGAATTTGCCATGGGTGGA-3'	5'-FAM-ACCAGGCGCCCAATACGAC CAA-TAMRA-3'

Table S4. Primer sequences used for CHIP assay

CHIP-qPCR	Forward primer	Reverse primer
hHSP70-1 (1) (-1506 to -1411)	5'-AACGACATGGCACTCCAGAC-3'	5'-CGCCCTTAAACCCTTTATTGA-3'
hHSP70-1 (2) (-693 to -602)	5'-GCCTTTCAGGTTTCAATCAA-3'	5'-GCTGCGTAATCTGGACGTTT-3'
hHSP70-1 (3) (-221 to -144)	5'-CCCTGTCCCCTCCAGTGAAT-3'	5'-GGACCAATCAGAGGCCAGAGT-3'
hHSP70-1 (4) (-129 to -48)	5'-GGCAGGACGGGAGGCGAAAC-3'	5'-CTTTTCCCTTCTGAGCCAATCA-3'
hHSP70-1 (5) (+20 to +80)	5'-GCTGCGACAGTCCACTACCTT-3'	5'-CTGGGAAGCCTTGGGACAA-3'
hHSP70-1 (6) (+385 to +452)	5'-AACCAGGTGGCGCTGAAC-3'	5'-CCGAACTTGGCGCCAAT-3'
hHSP70-1 (7) (+898 to +978)	5'-GGGTGGGAGGACTTTGACAACAGG-3'	5'-TGGCTGATGCTCTTCTGTG-3'
hHSP70-1 (8) (+1191 to +1277)	5'-TGGACAAGGCCAGATTCA-3'	5'-TGAAGAAGTCTGCAGCAGCTT-3'
hHSP70-1 (9) (+1486 to +1586)	5'-GACGCAGATCTTACCACCT-3'	5'-GCCCAACAGATTGTTGTCT-3'
hHSP70-1 (10) (+1895 to +1990)	5'-AAGATCAGCGAGGCGGACAAGAA-3'	5'-TCCTCTTGTGCTCAAACCTCGTCT-3'
hIntergenic (+2784 to +2840)	5'-CCCAGGAAGCAGTGGTAGCA-3'	5'-GCCCAGGCTAGAGTGAATG-3'