

Table S1. Transcript levels of ECM mRNAs after MI (in arbitrary units)

	WT n=6	SPARC null n=6
Sham		
Collagen I	0.12 ± 0.01	0.10 ± 0.01
Collagen III	0.05 ± 0.01	0.07 ± 0.01
Fibronectin	0.05 ± 0.01	0.08 ± 0.01
MI, 7 d		
Collagen I	1.18 ± 0.23 ^a	1.14 ± 0.08 ^a
Collagen III	0.91 ± 0.16 ^a	0.97 ± 0.08 ^a
Fibronectin	0.81 ± 0.14 ^a	0.87 ± 0.13 ^a
MI, 14 d		
Collagen I	2.03 ± 0.36 ^a	1.79 ± 0.23 ^a
Collagen III	1.50 ± 0.26 ^a	1.49 ± 0.14 ^a
Fibronectin	1.58 ± 0.32 ^a	1.81 ± 0.32 ^a

^aP < 0.05 in infarcted (MI) versus sham-operated mice.**Table S2.** Transcript levels of ECM mRNAs after MI in AdvR5- and AdvSPARC-treated mice (in arbitrary units)

	AdvR5 n = 6	AdvSPARC n = 6
Sham		
Collagen I	0.10 ± 0.02	0.09 ± 0.03
Collagen III	0.04 ± 0.01	0.05 ± 0.02
Fibronectin	0.05 ± 0.02	0.06 ± 0.01
MI, 14 d		
Collagen I	1.72 ± 0.32 ^a	2.3 ± 0.25 ^a
Collagen III	0.67 ± 0.11 ^a	1.02 ± 0.09 ^{a,b}
Fibronectin	0.59 ± 0.10 ^a	1.13 ± 0.17 ^{a,b}

^aP < 0.05 in infarcted (MI) versus sham-operated mice.^bP < 0.05 in AdvSPARC infarcts versus AdvR5 infarcts.**Table S3.** Primers used with real-time PCR

Gene	Forward primer, 5'–3'	Reverse primer, 5'–3'
Collagen I	CTTCACCTACAGCACCTTGTG	CTTGGTGGTTTGTATTCGATGAC
Collagen III	TCGGAAGTGCAGAGACCTAAA	CCCCAGTTTCCATGTTACAGA
Fibronectin	ATGTGGACCCCTCTGATAGT	GCCCAGTGATTCAGCAAAGG
Cyclophilin	CAAATGCTGGACAAACACAA	GCCATCCAGCCATTGAGTCT
ARBP	GGACCCGAGAAGACCTCCTT	GCACATCACTCAGAATTTCAATGG
SMOC1	AAAACGAGCAGGCACAAACC	GCCTTTTGCTTTTCCACTCTTTAG
SMOC2	CACTGCTGTGGCCACAA	GCGGCACCTTTTCATTTAATG
Hevin	CACAAGGGAAACCTCACTGTGTT	AAGCCTGATCTAGGATTTTGTGCA
SPARC	GAGGAGGTGGTGGCTGACAA	CACCTTGCCATGTTTGCAAT

Table S4. Sequence for SPARC shRNA

ShRNA SPARC	Sequence
Sense 5'–3'	GGTGAAATGGGAGAGTTTTTCAAGAGAAAACCTCCCATTTCCACCTTTTC
Antisense 5'–3'	TCGAGAAAAAGGTGAAATGGGAGAGTTTTCTTGAAAAACCTCCCATTTCCACC