



Supplementary Figure S1. (A) Intracellular cGMP levels in LX-2 cells incubated with CNP (0-1000 pg/ml). (B) Intracellular PKG activity in LX-2 cells incubated with CNP (0-1000 pg/ml). (C) Cell proliferation of LX-2 cells incubated with CNP (0-500 pg/ml). (D) Relative mRNA expression of *ACTA2* and *COL1A1* in LX-2 cells incubated with TGF-β1 (10 ng/ml), ANP (0, 100 and 500 pg/ml). *GAPDH* was used as internal control. Quantitative values are relatively indicated as fold changes to the values of non-treatment groups. Data are mean ± SD (n=8). ** p < 0.01, indicating a significant difference between groups. N.S.; not significant, CNP; C-type natriuretic peptide, PKG; protein kinase G.

Supplementary Table S1. List of primers used in q-PCR.

gene	Sense (5'-3')	Antisense (5'-3')
Mouse		
<i>Acta2</i>	CTGACAGAGGCACCACTGAA	CATCTCCAGAGTCCAGCACA
<i>Col1a1</i>	GAGCGGAGAGTACTGGATCG	GCTTCTTTTCCTTGGGGTTC
<i>Tgfb1</i>	TTGCTTCAGCTCCACAGAGA	TGGTTGTAGAGGGCAAGGAC
<i>Agtr1</i>	ATGGCTGGCATTGTCTGG	GTTGAGTTGGTCTCAGACAC
<i>Gapdh</i>	CTGCGACTTCAACAGCAACT	GAGTTGGGATAGGGCCTCTC
Human		
<i>ACTA2</i>	GAGACCCTGTTCCAGCCATC	TACATAGTGGTGCCCCCTGA
<i>COL1A1</i>	CCAAATCTGTCTCCCCAGAA	TCAAAAACGAAGGGGAGATG
<i>MMP2</i>	TGACGGTAAGGACGGACTC	ATACTTACACGGACCACTTG
<i>TIMP1</i>	GCCCAGAGAGACACCAGAGAA	CTATCAGCCACAGCAACAACAGG
<i>TIMP2</i>	GCAGGAGGAATCGGTGAGGTC	ACAGGCAAGAAGCAATGGCAAC
<i>CTGF</i>	ACCGACTGGAAGACACGTTTG	CCAGGTCAGCTTCGCAAGG
<i>GAPDH</i>	CCAAGGAGTAAGACCCCTGG	TGGTTGAGCACAGGGTACTT