

Table S1. Primers for qPCR.

Gene	s or as	Sequence	UPL Probe
B2M	s	TTCTGGCCTGGAGGCTAT	12
B2M	as	TCAGGAAATTGACTTTCCATTC	12
β -Actin	s	ATTGGCAATGAGCGGTTC	11
β -Actin	as	CGTGGATGCCACAGGACT	11
SOX9	s	TCTCGCTCTCGTTCAGAAAGTC	61
SOX9	as	GTACCCGCACTTGACACAAC	61
ACAN	s	CCTCCCCTTCACGTGTAAAA	76
ACAN	as	GCTCCGCTTCTGTAGTCTGC	76
Elastin	s	GGAGGTGTTCCCGGAGTC	27
Elastin	as	GGTCCCCACTCCGTACTTG	27
COL2A1	s	GTGAACCTGGTGTCTCTGGTC	19
COL2A1	as	TTTCCAGGTTTTCCAGCTTC	19
COL1A1	s	GGGATTCCCTGGACCTAAAG	67
COL1A1	as	GGAACACCTCGCTCTCCA	67

Table S2. Antibodies for immunohistochemistry.

Antibody	Species	Dilution	Enzyme digestion	Isotype	Manufacturer
Aggrecan, polyclonal	Rabbit	1:100	Pepsin 2 μ g/mL in TRIS-HCl (1 mg/mL), pH 2.0	Rabbit IgG, polyclonal	Merck KGaA, Germany-Darmstadt
Collagen I, polyclonal, #34710	Rabbit	1:200	Proteinase K	Rabbit IgG, polyclonal	Abcam, Berlin, Germany
Collagen II, II-II6B3, Monoclonal	Mouse	1:100	Citrat + Proteinase K	MIgG1, kappa light chain	DSHB 3822
Elastin, polyclonal, #23747	Rabbit	1:400	TRIS-EDTA/Citrat	Rabbit IgG, polyclonal	Abcam, Berlin Germany

Table S3. Antibodies for Flow Cytometry.

Antibody for Flow Cytometry	clone	Isotype	Manufacturer
APC anti-human CD29	TS2/16	Mouse IgG1,	BioLegend, US-San Diego
PerCP anti-mouse/human CD44	IM7	Rat IgG2b,	BioLegend, US-San Diego
PE anti-human CD49e	NKI-SAM-1	Mouse IgG2b,	BioLegend, US-San Diego
eFlour™ 450 anti-human CD73	AD2	IgG1,	eBioscience, ThermoFischer Scientific, Germany - Schwerte
FITC anti-human CD90	5E10	Mouse IgG1,	BioLegend, US-San Diego
FITC anti-human CD105	43A3	Mouse IgG1,	BioLegend, US-San Diego
PE anti-human CD146	P1H12;	Mouse IgG1,	BioLegend, US-San Diego
APC/Fire™ 750 anti-human CD166	3A6	Mouse IgG1,	BioLegend, US-San Diego