

SUPPLEMENTARY INFORMATION

Novel NF κ B Inhibitor SC75741 Mitigates Chondrocyte Degradation and Prevents Activated Fibroblast Transformation by Modulating miR-21/GDF-5/SOX5 Signaling

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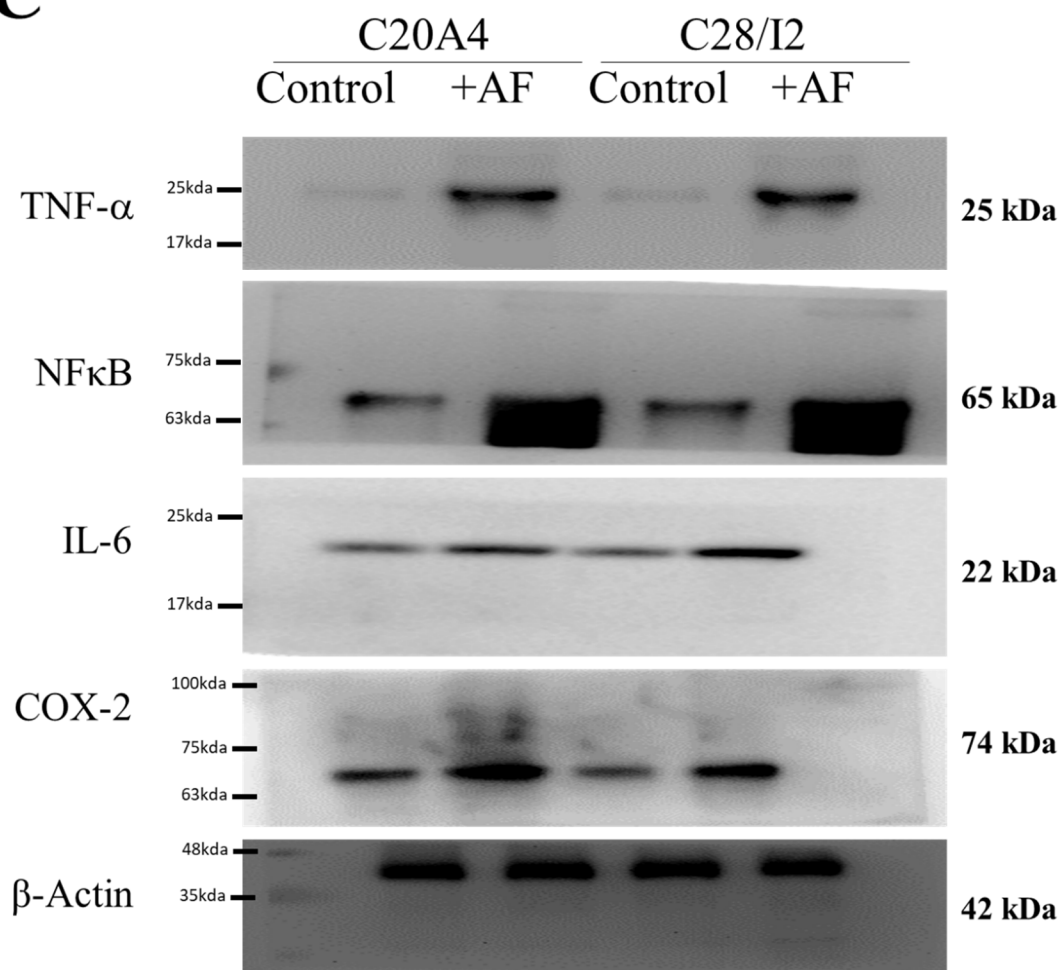
Supplementary Table S1. Primer sequence in this study.

Gene		sequence
IL-6	forward	AGACAGCCACTCACCTCTTCAG
	reverse	TTCTGCCAGTGCCTCTTTGCTG
COX2	forward	CGGTGAAACTCTGGCTAGACAG
	reverse	GCAAACCGTAGATGCTCAGGGA
NFκB	forward	GCAGCACTACTTCTTGACCACC
	reverse	TCTGCTCCTGAGCATTGACGTC
TNF-α	forward	CTCTTCTGCCTGCTGCACTTTG
	reverse	ATGGGCTACAGGCTTGTCACTC
miR-21	forward	ACGTTGTGTAGCTTATCAGACTG
	reverse	AATGGTTGTTCTCCACACTCTC

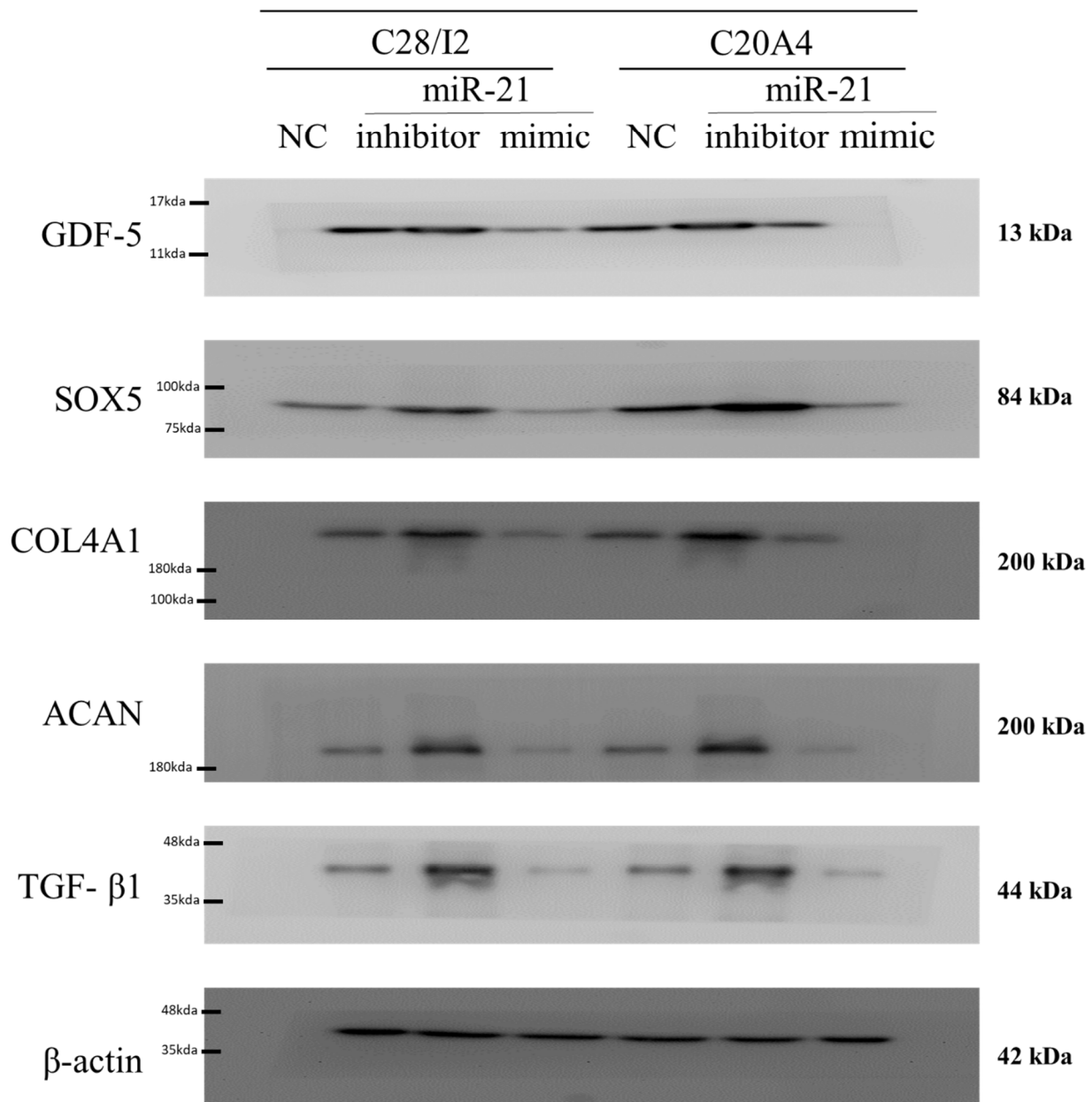
Supplementary Table S2. The membranes were incubated in primary antibodies

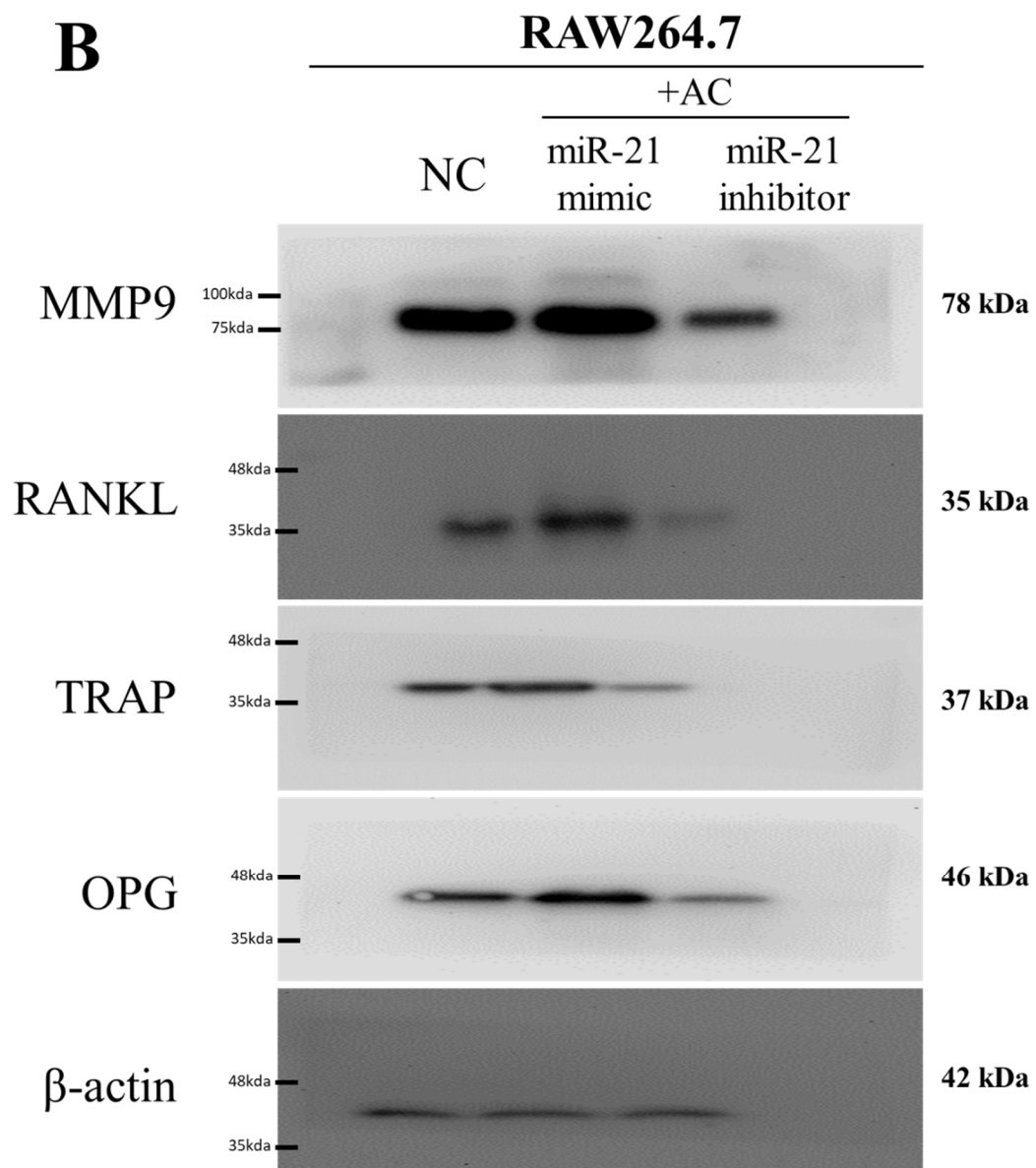
No.	Target	Dilution			Source
1	TNF- α	1:1000	25	#8184	Cell Signaling
2	NF κ B	1:1000	65	#8242	Cell Signaling
3	IL-6	1:1000	21-28	#12153	Cell Signaling
4	Cox-2	1:1000	74	#12282	Cell Signaling
5	COL4A1	1:1000	200	#50273	Cell Signaling
6	SOX5	1:1000	84	ab94396	Abcam
7	GDF-5	1:1000	13	ab166617	Abcam
8	TGF- β 1	1:1000	44	ab215715	Abcam
9	MMP9	1:1000	78	ab76003	Abcam
10	RANKL	1:1000	35	ab9957	Abcam
11	TRAP	1:1000	37	ab52750	Abcam
12	OPG	1:1000	46	ab73400	Abcam
13	α -SMA	1:1000	42	ab7817	Abcam
14	ACAN	1:1000	200	sc-33695	santa cruz
15	β -actin	1:10000	42	66009-1-Ig	proteintect

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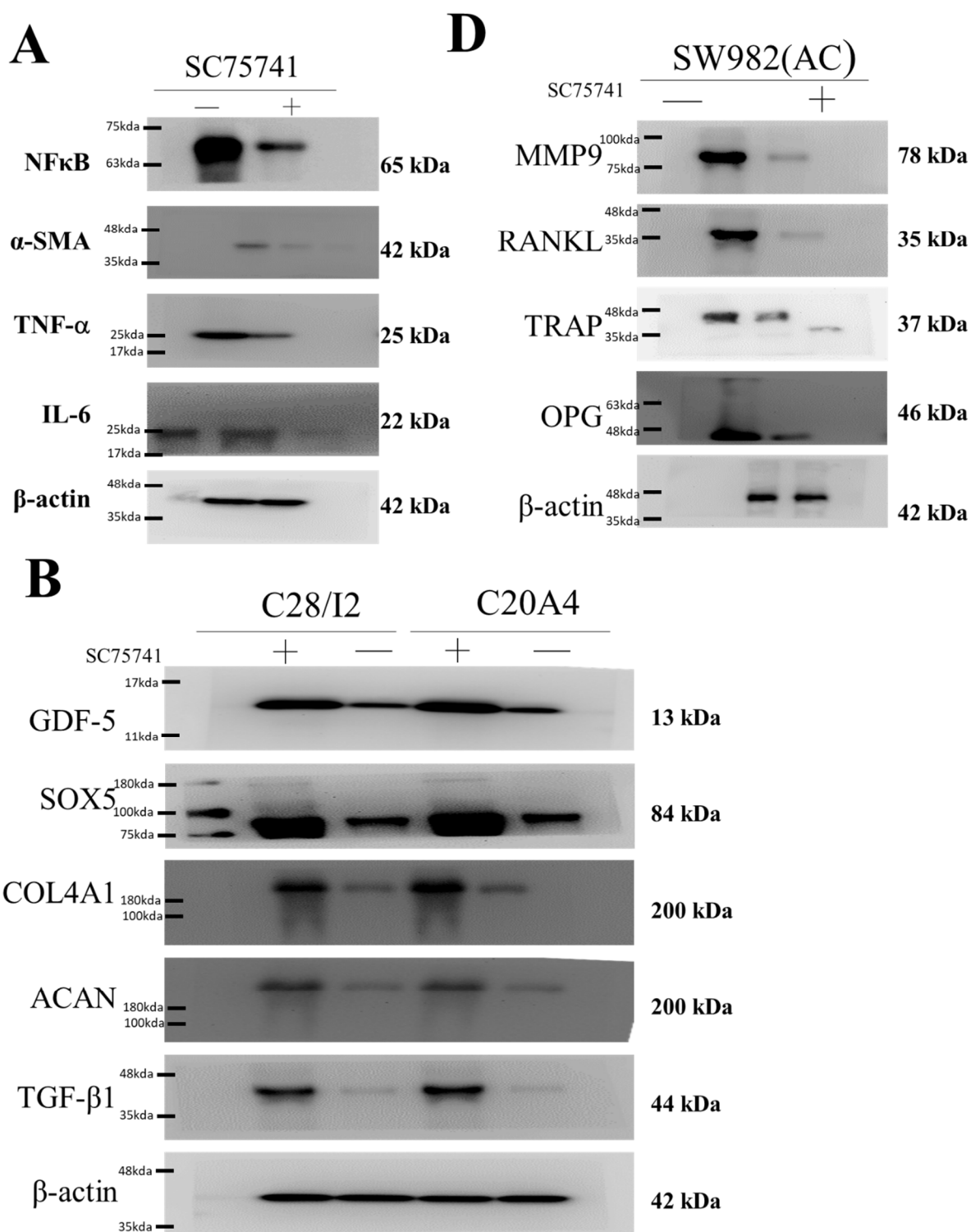


Supplementary Figure S1. Full-size blots of Figure 1C

D**Activated chondrocytes****Supplementary Figure S2. Full-size blots of Figure 2D**



Supplementary Figure S3. Full-size blots of Figure 3B



Supplementary Figure S4. Full-size blots of Figure 4A, 4B and 4D