Supporting Information

FOXO1 transcription factor regulates chondrogenic differentiation through transforming growth factor β1 signaling

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Table S1. Primer sequences used for real-time RT-PCR

Gene	Forward (5'-3')	Reverse (5'-3')
Mouse 18s	GTAACCCGTTGAACCCCATT	CCATCCAATCGGTAGTAGCG
Mouse Foxo1	AAGAGCGTGCCCTACTTCAA	TGCTGTGAAGGGACAGATTG
Mouse Foxo3	TCCCAGATCTACGAGTGGATGG	CCTTCATTCTGAACGCGCAT
Mouse Foxo4	GAGCCAGATCCCTGAGTCAC	GGCTCAAGGAGGAAAAGTGGA
Mouse Sox9	GAGGCCACGGAACAGACTCA	CAGCGCCTTGAAGATAGCATT
Mouse Col2a1	CGAGTGGAAGAGCGGAGACT	AACTTTCATGGCGTCCAAGGT
Mouse Acan	GAAGAGCCTCGAATCACCTG	ATCCTGGGCACATTATGGAA
Mouse Col10a1	TAAGAACGGCACGCCTACGA	TGATTGCACTCCCTGAAGCC
Mouse p21	GACAAGAGGCCCAGTACTTC	GCTTGGAGTGATAGAAATCTGTC
Mouse p27	CAGACGTAAACAGCTCCGAATTA	GGCAGATGGTTTAAGAGTGCC
Mouse cyclin G2	AGTATTCTTCGCCTCGCTGC	AGAGTCCTCACTTTCACTTCCG
Human GAPDH	GGTGAAGGTCGGAGTCAACGGA	GAGGGATCTCGCTCCTGGAAGA
Human FOXO1	AAGAGCGTGCCCTACTTCAA	CTGTTGTTGTCCATGGATGC
Human SOX9	AGACCTTTGGGCTGCCTTAT	TAGCCTCCCTCACTCCAAGA
Human COL2A1	CAACACTGCCAACGTCCAGAT	CTGCTTCGTCCAGATAGGCAAT
Human ACAN	AGTCCTCAAGCCTCCTGTACTCA	CGGGAAGTGGCGGTAACA

Table S2. Primer sequences used for semiquantitative RT-PCR in ChIP assay

Gene	Forward (5'-3')	Reverse (5'-3')
p21 promoter	GAGGTGAGGCCTCCTTCATT	TAACAGGAAAGACAGACGGGT
negative control	CCATGCTTCCTGACCAACTCT	GTGCCAGCTTTGAGGTTTCAG

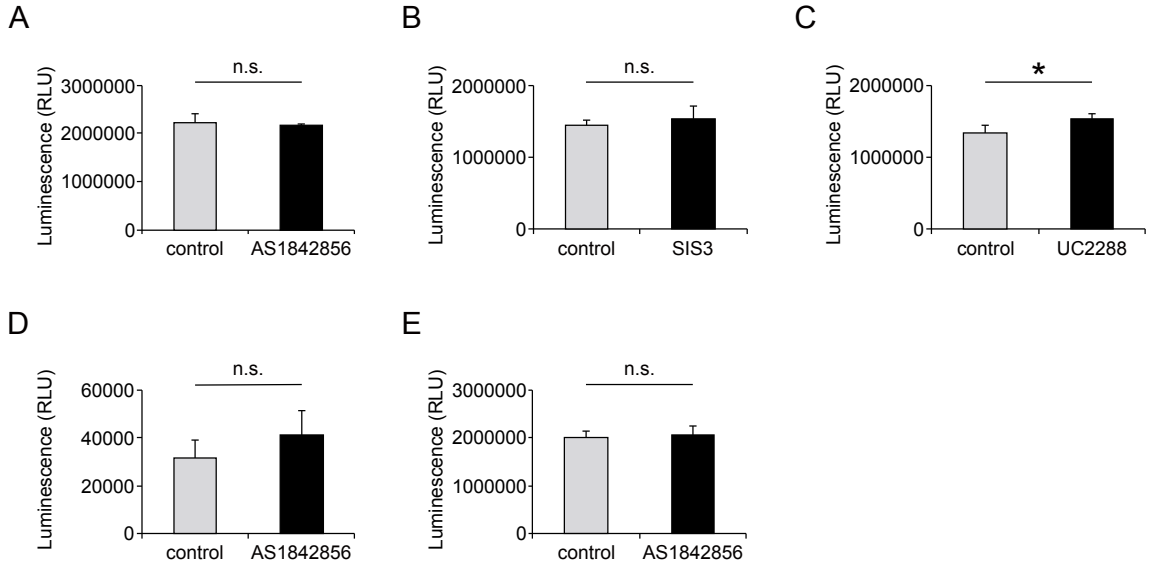

Figure S1. Chemical inhibitors including AS1842856, SIS3, and UC2288 did not decrease cell viabilities. Cell viabilities were analyzed using the CellTiter-Glo assay. (**A**) ATDC5 cells were incubated with or without AS1842856 (0.1 μM) for 28 days; n=5. (**B**) ATDC5 cells were incubated with or without SIS3 (3 μM) for 14 days; n=4. (**C**) ATDC5 cells were incubated with or without UC2288 (2.5 μM) for 14 days; n=4. (**D**) Mesenchymal cells from mouse limb buds were incubated with or without AS1842856 (0.1 μM) for 5 days; n=4. (**E**) hMSCs were incubated with or without AS1842856 (0.1 μM) for 21 days; n=5. Data are presented as means ± SD. Statistical analysis was performed using Wilcoxon's rank–sum test. **P*<0.05.