

Supplementary Figures

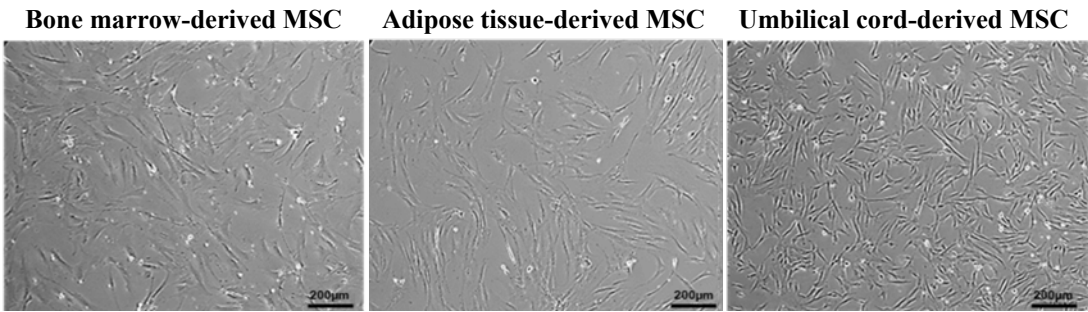


Figure S1. Light microscopy images of Bone marrow-derived MSC, Adipose tissue-derived MSC, Umbilical cord-derived MSC.

Supplementary Tables

Table S1. List of primary and secondary antibodies used in the experiments.

	Company	Cat Number
Primary antibodies		
Oct4	Santa Cruz	sc-5279
Nanog	Sigma	N3038
cTnT	Abcam	ab64623
HIF-1 α	Biorbyt	orb69409
Secondary antibodies		
Anti-Rabbit	Abcam	ab6717
Anti-Goat	Santa Cruz	sc-2356
Anti-Mouse	Santa Cruz	sc-2010

Table S2. List of the primers used for gene expression analysis.

Gene Name	Sequences
<i>cTnT</i>	F: ATGATGCATTTTGGGGGTTA R: CAGCACCTTCCTCCTCTCAG
<i>MLC2v</i>	F: CTTGGGCGAGTGAACGT R: CTGGTCAACCTCCTCCTTG
<i>α-MHC</i>	F: GAG TGG AAG CAG AAG TAT GAG G R: CTT GAT CTG GTT GAA CTC TAG C
<i>mTOR</i>	F: AGCATCGGATGCTTAGGAGTGG R: CAGCCAGTCATCTTTGGAGACC
<i>PI3K</i>	F: AGTAGGCAACCGTGAAGAAAAG R: GAGGTGAATTGAGGTCCCTAAGA
<i>Caspase 3</i>	F: AAGCGAATCAATGGACTCTGG R: CAAGTTTCTGAATGTTTCCCTGAG
<i>HIF1α</i>	F: CACCACAGGACAGTACAGGAT R: CGTGCTGAATAATACCACTCACA
<i>Bcl2</i>	F: TAACTCCTCTTCTTTCTCTG R: TGTACTTCATCACTATCTCC
<i>BAX</i>	F: TCCCCCGAGAGGTCTTTT R: GAAGTCCAATGTCCAGCCCA
<i>GAPDH</i>	F: CTCATTTCTGGTATGACAACGA R: CTCATTTCTGGTATGACAACGA