Supplemental Figures

Supplemental Fig 1. Transfection efficiency was monitored by GFP signal in MPCs with shRNA or shITGA4 lentivirus vector transfection.

Supplemental Fig 2. (A) Representative images of H2B-EGFP iPSCs in bright field and green fluorescence protein (GFP) channel. Bar=200 μm. (B) Representative images of muscle progenitor cells (MPCs) differentiated from H2B-EGFP iPSC cells in bright field and GFP channel. Bar=100 μm. (C) H2B-EGFP iPSC derived MPCs expressed transcription factor Pax7. Bar=100 μm.

Supplemental Fig.3. Representative fluorescent images for transplanted cell tracking with H2B-EGFP fluorescent signal and human nuclear antigen (HNA) from CTX injured muscle tissue sections or PBS treated control muscle tissue sections. Bar=50 μm.

Supplemental Fig.4. H2B-EGFP positive cells were not observed in heart, lung, liver, kidney, and gastrocnemius (GA) muscle. Bar=100 μm.

Supplemental Fig.5. Pulmonary embolism in mice with high dosage of Givi-MPCs transplantation (1×10^6 cells) by tail vein injection. EGFP positive cells were observed in pulmonary vessels (arrows). Bar=100 μm.

Suplemental Figure S1

Suplemental Figure S2

Suplemental Figure S3

Suplemental Figure S4

Suplemental Figure S5