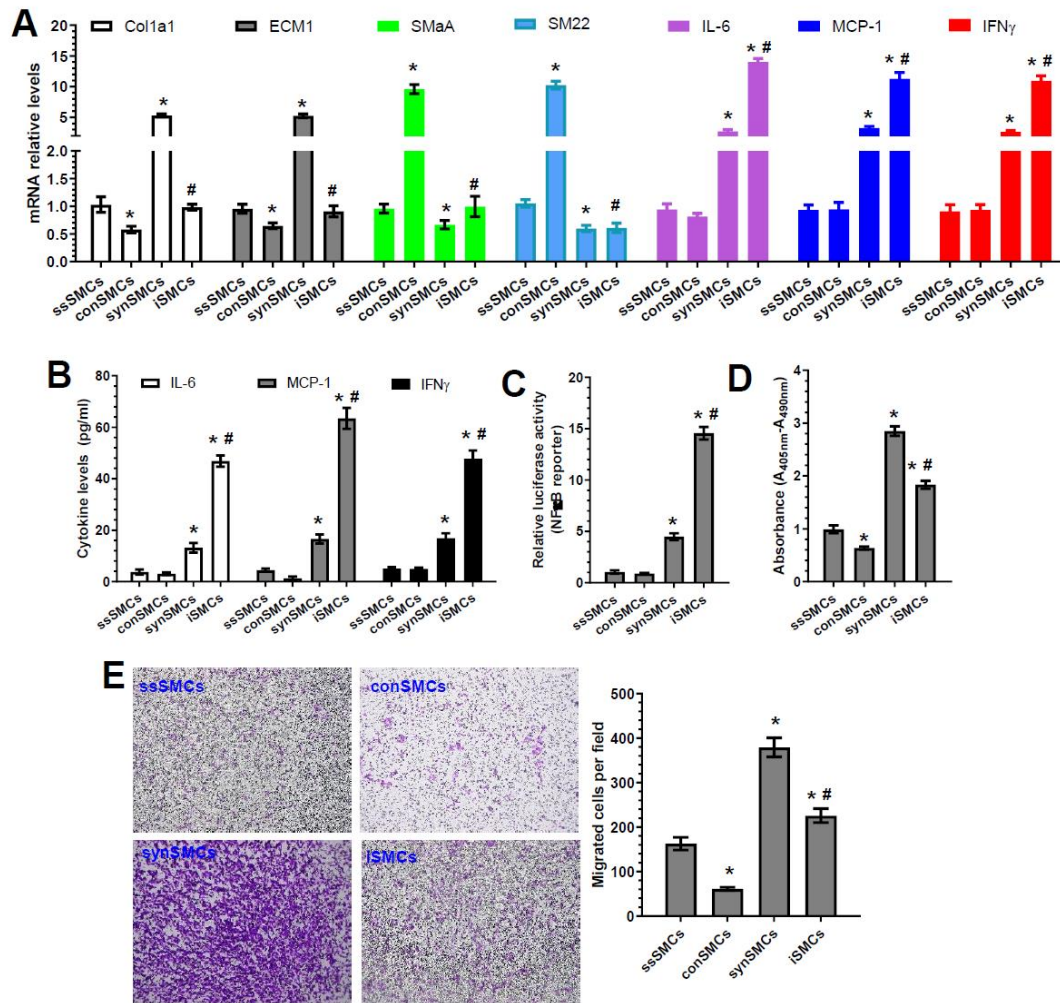


**Figure S4. Characterisation of iSMC phenotype.**



Mature SMCs were subjected to serum starvation for 48 hours, followed by the indicated treatments for additional 24 hours. Total RNAs and conditioned culture medium harvested from SMCs treated with vehicle (serum-starved SMCs, **ssSMCs**), 5ng/ml TGF $\beta$ 1 ('contractile' SMCs, **conSMCs**), 10ng/ml PDGF-BB ('synthetic' SMCs, **synSMCs**), and iSMCs differentiated from AdSPCs (iSMCs) were subjected to RT-qPCR (A) and ELISA analyses (B), respectively. (C) Luciferase activity assays detected NF $\kappa$ B activation in cells with the indicated treatments. (D) BrdU incorporation assays to detect cell proliferation. (E) Trans-well migration assays detected cell migration under 30ng/ml PDGF-BB stimulation. The data presented here are representative images (left panels in E) or mean $\pm$ S.E.M. (A-D, right panel in E) of five independent experiments (n=5). \*P<0.05 (versus **ssSMCs**), #<0.05 (versus **synSMCs**) (one-way ANOVA with a post hoc test of Tukey's analysis).