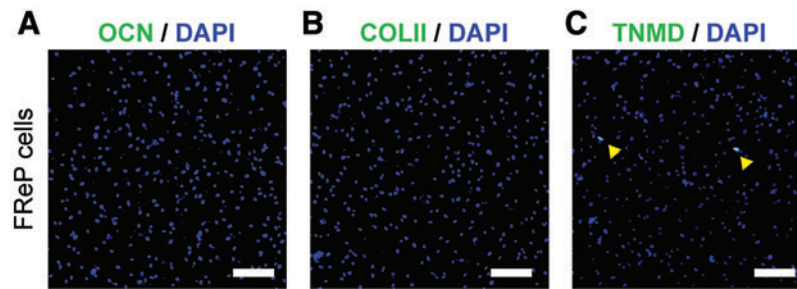


Supplementary Data



SUPPLEMENTARY FIG. S1. MeGC/ColII-hydrogel-encapsulated FReP cells did not commit to osteogenic, chondrogenic, or tenogenic derivatives during myogenic differentiation *in vitro*. After 3-week myogenic differentiation, no osteogenic marker OCN (**A**) or chondrogenic marker COLII (**B**) was detected in the FReP cell/MeGC/ColII-hydrogel constructs. Only a minimal number of FReP cells (*yellow arrowheads*) were stained with the tenogenic marker TNMD (**C**). Scale bar = 200 μ m. MeGC, methacrylated glycol chitosan; OCN, osteocalcin, FReP, fibromodulin-reprogrammed; TNMD, tenomodulin.

SUPPLEMENTARY TABLE S2. THE KEY PRINCIPAL COMPONENTS OF POLYMERASE CHAIN REACTION ARRAY

	<i>PC1</i>	<i>PC2</i>	<i>PC3</i>	<i>PC4</i>	<i>PC5</i>	<i>PC6</i>
Standard deviation	6.1930	3.7160	2.79063	2.54025	1.74045	1.33379
Proportion of variance	0.5689	0.1644	0.0921	0.07682	0.03606	0.02118
Cumulative proportion	0.5689	0.7333	0.82603	0.90285	0.93891	0.96009