Supporting Information

Injectable Thixotropic Hydrogel Comprising Regenerated Silk Fibroin and Hydroxypropylcellulose

Zuguang Gong, a Yuhong Yang, a,b Qingguang Ren, b Xin Chen, a Zhengzhong Shao a

a Department of Macromolecular Science, Key Laboratory of Molecular Engineering of Polymers of Ministry of Education, Laboratory of Advanced Materials, Fudan University, 220 Handan Road, Shanghai 200433, People’s Republic of China. E-mail: zzshao@fudan.edu.cn

b Research Center for Analysis and Measurement, Fudan University, 220 Handan Road, Shanghai 200433, People’s Republic of China. E-mail: yuhongyang@fudan.edu.cn
Figure S1. Full-width $^{13}$C NMR spectra of 10 wt% SF-HPC solution and hydrogel with different SF-HPC mix ratios. The framed region between 45-110 ppm was expanded as Figure 6.
Figure S2. Live (stained by Calcein)/dead (stained by EthD) cell viability staining CLSM images of encapsulated cells in a SF-HPC30 hydrogel after injection.

Figure S3. Live (stained by Calcein)/dead (stained by EthD) cell viability staining CLSM images of (a) encapsulated cells in a SF-HPC30 hydrogel after 24h of culture and (b) negative control cells treated with 70% methanol for 30 minutes.