

Supplementary material

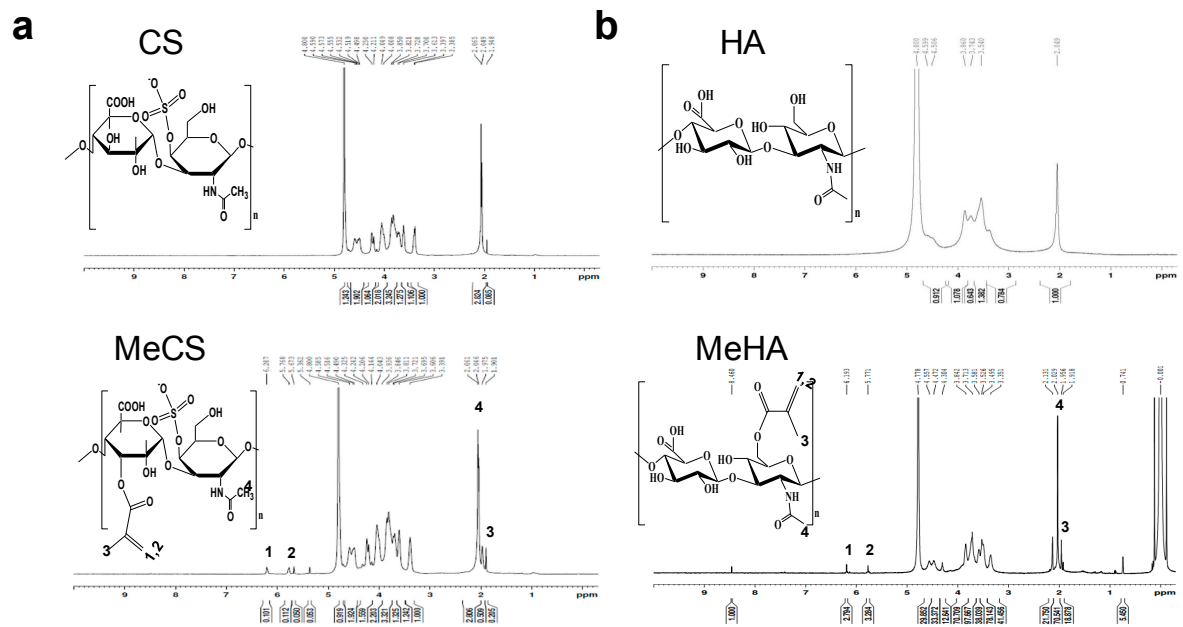


Figure S1. $^1\text{H-NMR}$ spectra of (a) CS and MeCS with acrylate peaks at 5.3 ppm to 6.2 ppm indicating the presence of methacrylation of MeCS, (b) HA and MeHA with acrylate peaks at 5.7 ppm to 6.2 ppm indicating the presence of methacrylation of MeHA.

Gene	Sequence (5' -3')
<i>GAPDH</i>	F: TCA CCA TCT TCC AGG AGC GA R: CAC AAT GCC GAA GTG GTC GT
Type II collagen (<i>Col II</i>)	F: TTC ATG AAG ATG ACC GAC GA R: GAC ACG GAG TAG CAC CAT CG
Aggrecan (<i>AGG</i>)	F: CCT TGG AGG TCG TGG TGA AAG G R: AGG TGA ACT TCT CTG GCG ACG T
Proteoglycan 4 (<i>PRG4</i>)	F: TTA CCG ATG TCT GGG GCA TAC CTT C R: TGG GCA GTG ATA TAG CTG AGG TGA CC
<i>Link Protein</i>	F: AGG CTG TAC AAC AGA GCA CC R: AAA CAA GTC CCG GCT CTC AG
Hyaluronan Synthase 2 (<i>HAS2</i>)	F: TTT CTT TAT GTG ACT CAT CTG TCT CAC CGG R: ATT GTT GGC TAC CAG TTT ATC CAA ACG G

Table S1. List of primers used for quantitative PCR.