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A biocompatible pea isolate protein-derived bioink for 3D bioprinting and tissue engineering

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Supplementary information

Table S1. The sequences of primers used for RT-qPCR.

The full name of each RNA	Abbreviation	5'-3'	Primer Sequences
Glyceraldehyde-3-phosphate	*GAPDH*	Forward	TTGTCGCCATCAATGATCCAT
		Reverse	GATGACCAGCTTCCCGTTCTC
Type I Collagen	*COL I*	Forward	CTAGCCACCTGCCAGTCTTTA
		Reverse	GGACCATCATCACCATCTCTG
Type II Collagen	*COL II*	Forward	GAGAGCCTGGGACCCCTGGAA
		Reverse	CGCCTCCAGCCTTCTCGTCAA
Aggrecan	*AGG*	Forward	GCTGCTACGGAGACAAGGATG
		Reverse	CGTTGCGTAAAAGACCTCACC
SRY-related HMG box 9	*SOX9*	Forward	GCGTCAACGGCTCCAGCAAGA
		Reverse	GCGTTGTGCAGGTGCGGGTAC

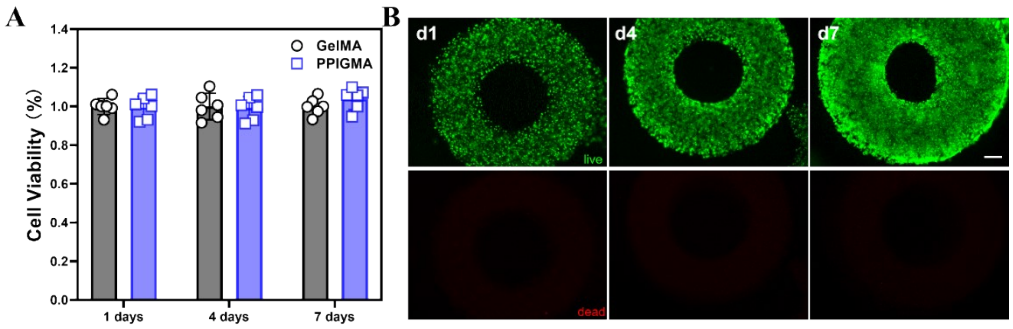

Figure S1. Cell viability in the 3D bioprinting. (A) The cell proliferation in 3D bioprinted cell-hydrogel composites was determined by the CCK-8 assay after 1, 4 and 7 d culture. (B) Live and dead assay results of the chondrocyte cells in PPIGMA as bioinks, scale bar is 100 μm.