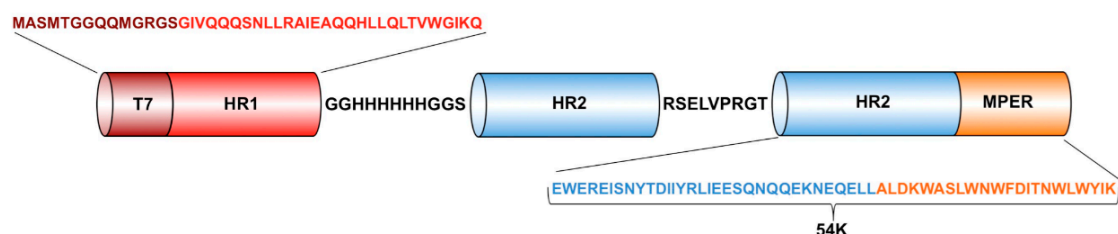


# Supplementary Materials: Advanced Gelatin-Based Polymer Platform for Long-Term Release of Therapeutic Proteins or Vaccines

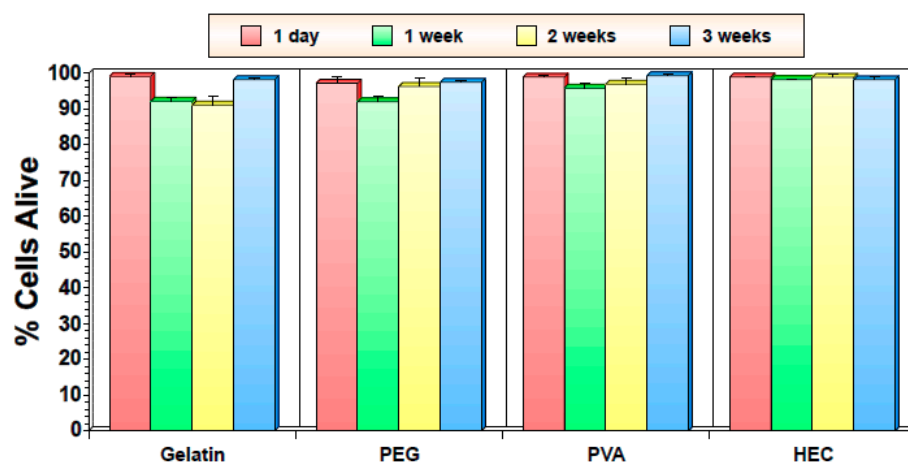
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**Figure S1.** Domain structure and sequence of gp41-HR1-HR2-54K. The protein contains a T7 expression tag, HR1 domain, 6xHis linker, HR2 domain, thrombin cleavage linker, HR2 domain, and MPER domain.



**Figure S2.** Photograph of an IPNF, rhodamine-labeled protein (pink core) is encapsulated in a gelatin-based pellet.



**Figure S3.** Cytotoxicity of IPNFs. The different IPNFs showed little to no cytotoxicity *in vitro*, even after three weeks of incubation.