

Grafting of Alkyne-containing Vinyl Polymers onto Biosynthesized Extracellular Matrix Protein Containing Azide Functionality and Adhesion Control of Human Umbilical Vein Endothelial Cells

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Supporting Information

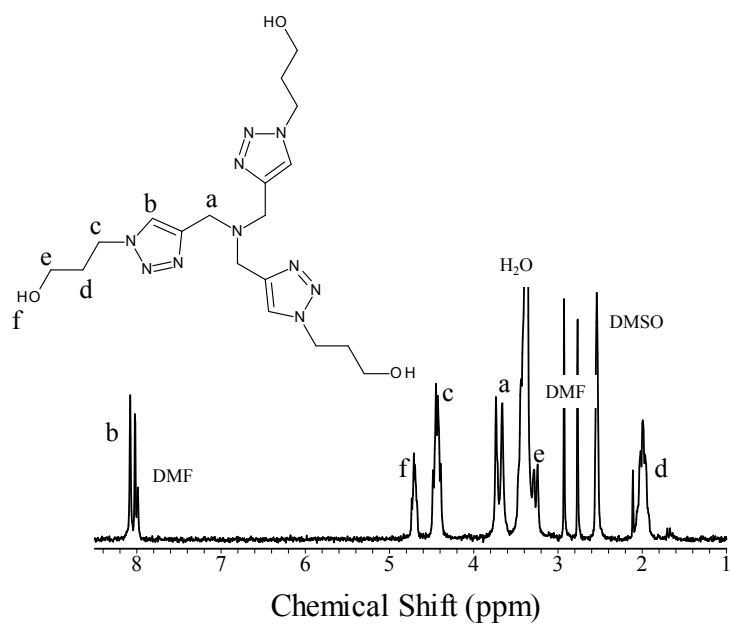


Figure S1. 200 MHz ^1H NMR Spectrum of THPTA in $\text{DMSO-}d_6$.

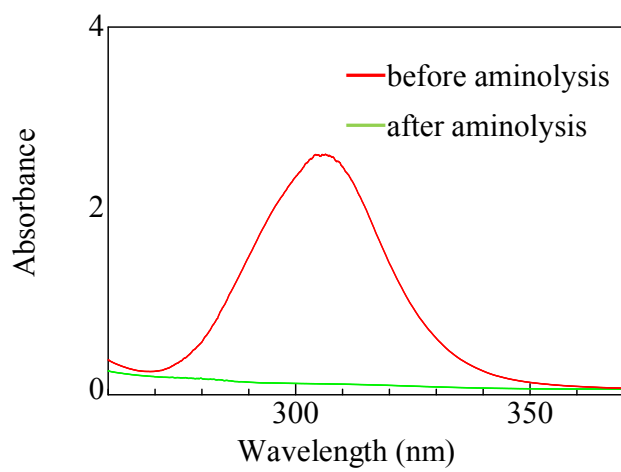
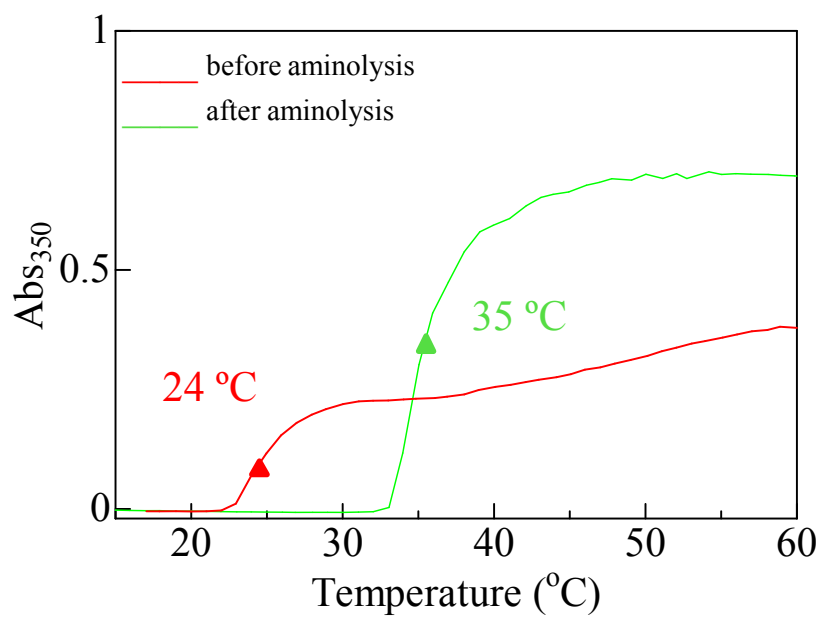


Figure S2. UV Spectrum of alkyne-containing PNIPAM.



UV spectrum of alkyne-containing PNIPAM.

Figure S3. LCST measurements of alkyne-containing PNIPAM before (red line) and after aminolysis (green line).

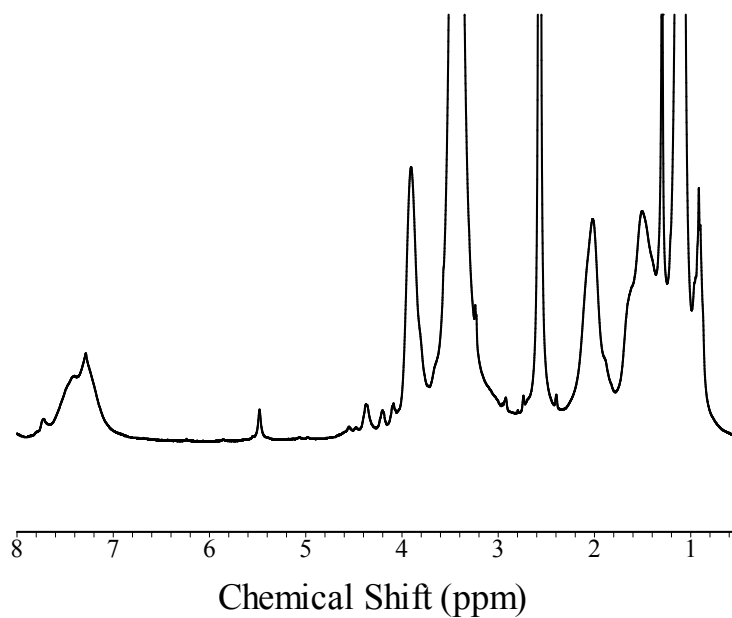


Figure S4. 600 MHz ¹H NMR Spectrum of CS5ELF-*graft*-PNIPAM in DMSO-*d*₆.

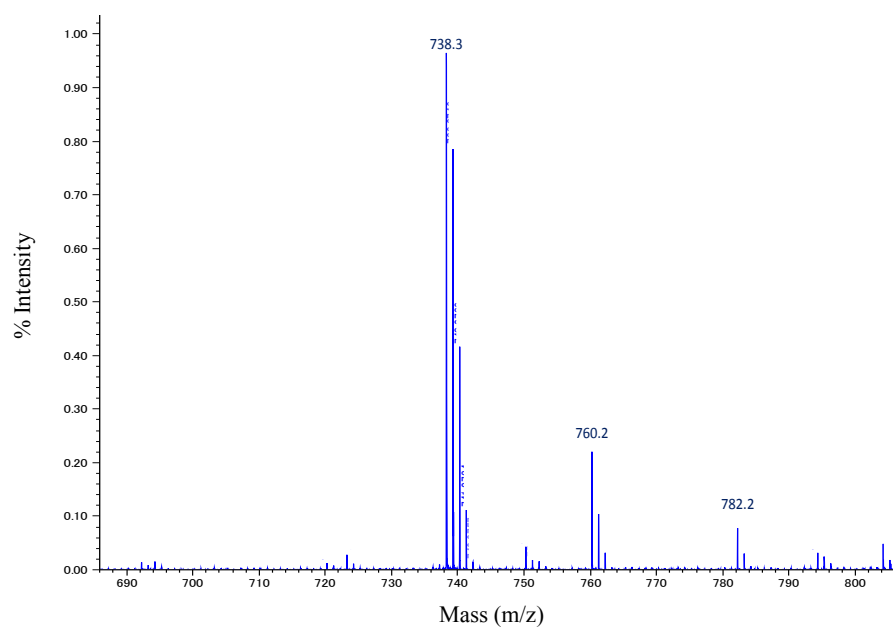


Figure S5. MALDI-TOF-MS Spectra of GREDVY peptide.

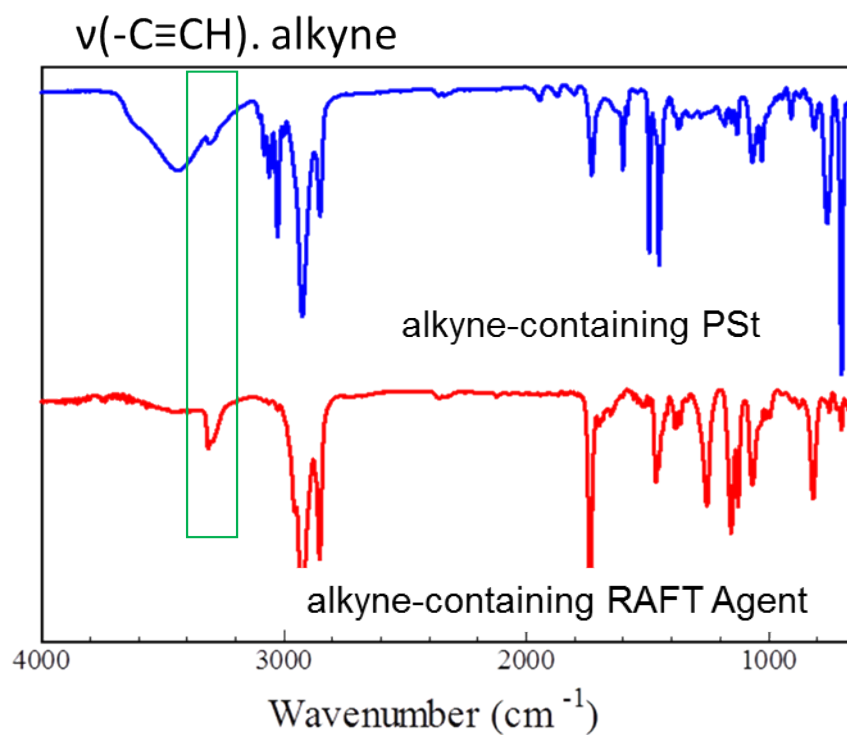


Figure S6. FT-IR spectra of alkyne-containing PSt (blue line) and alkyne-containing RAFT agent **1** (red line).

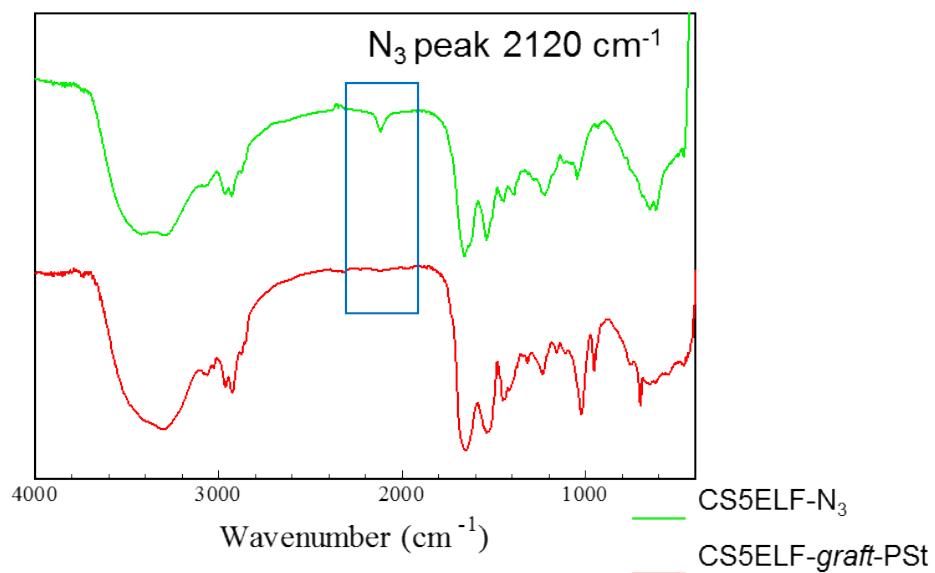


Figure S7. FT-IR spectra of aECM-CS5-ELF- N_3 (green line) and (aECM-CS5-ELF- N_3)-*graft*-PSt (red line).

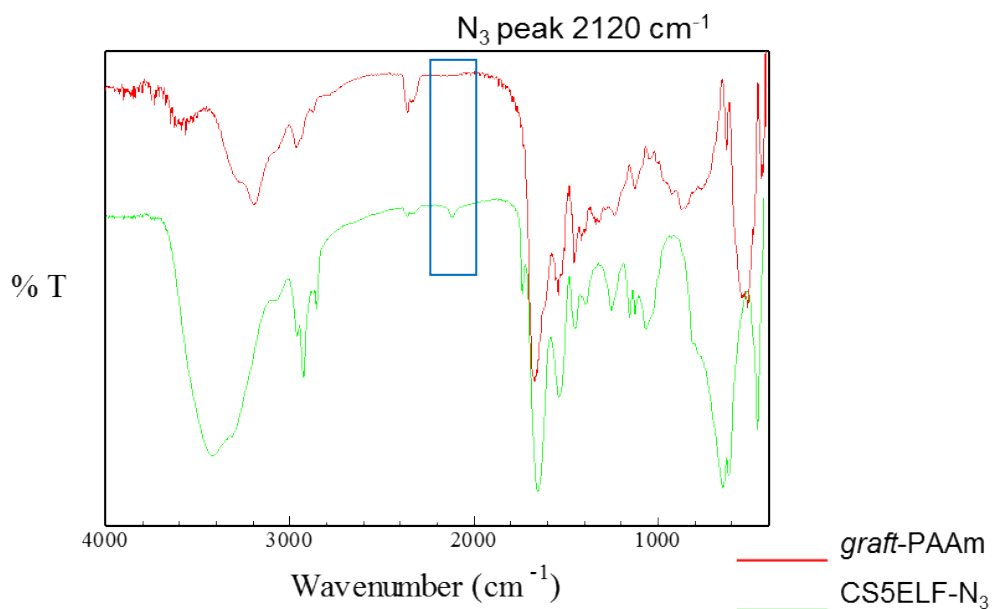


Figure S8. FT-IR spectra of aECM-CS5-ELF- N_3 (green line) and (aECM-CS5-ELF- N_3)-*graft*-PAAm (red line).

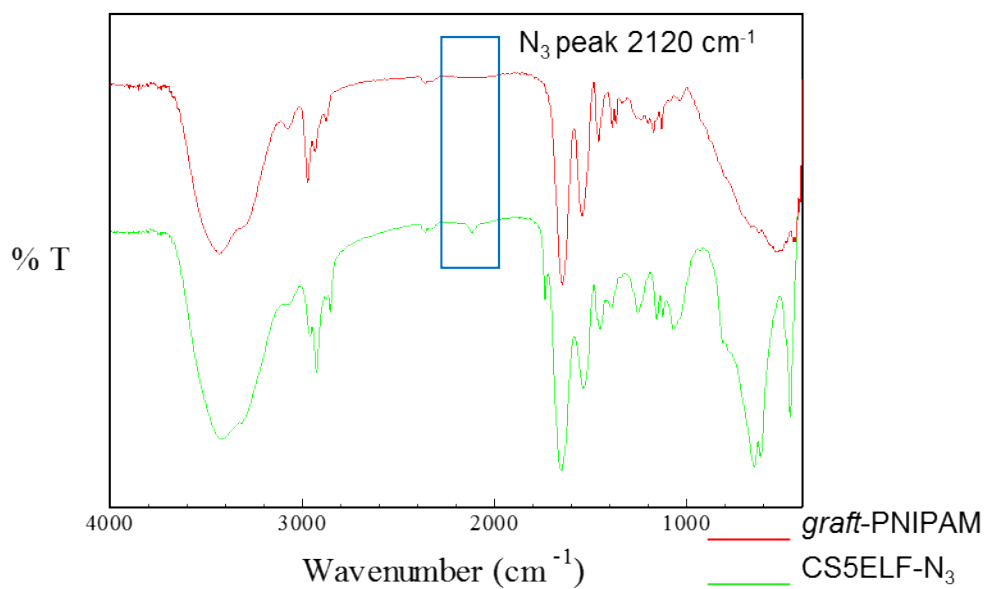


Figure S9. FT-IR spectra of aECM-CS5-ELF- N_3 (green line) and (aECM-CS5-ELF- N_3)-*graft*-PAAm (red line).

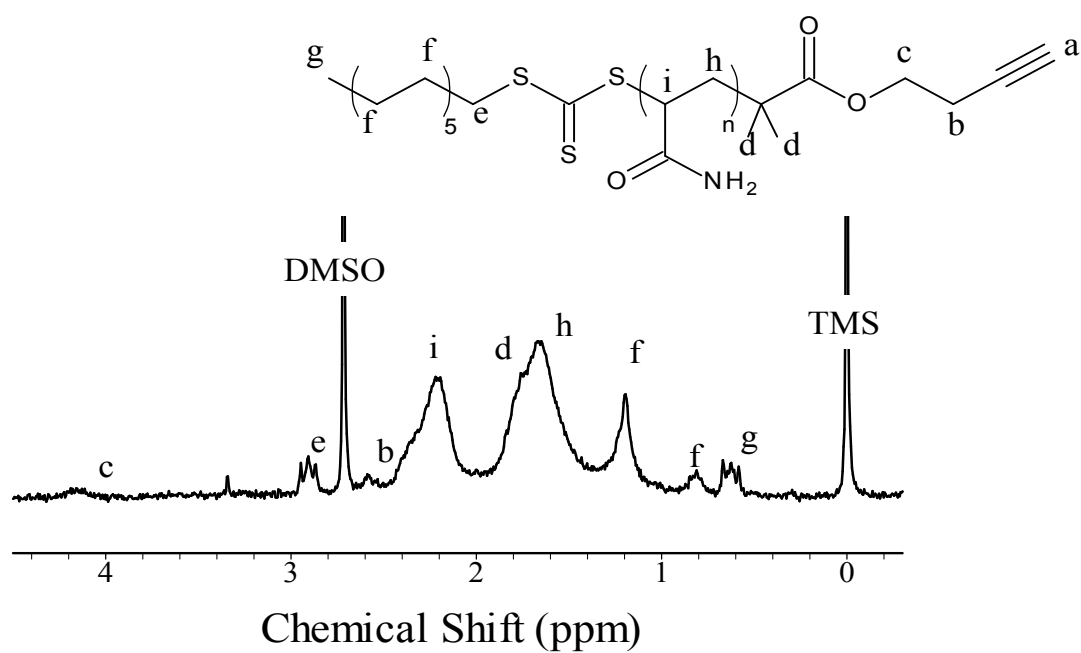


Figure S10. ^1H NMR spectrum of alkyne-containing PAAm in D_2O at 27 $^\circ\text{C}$ (200 MHz).

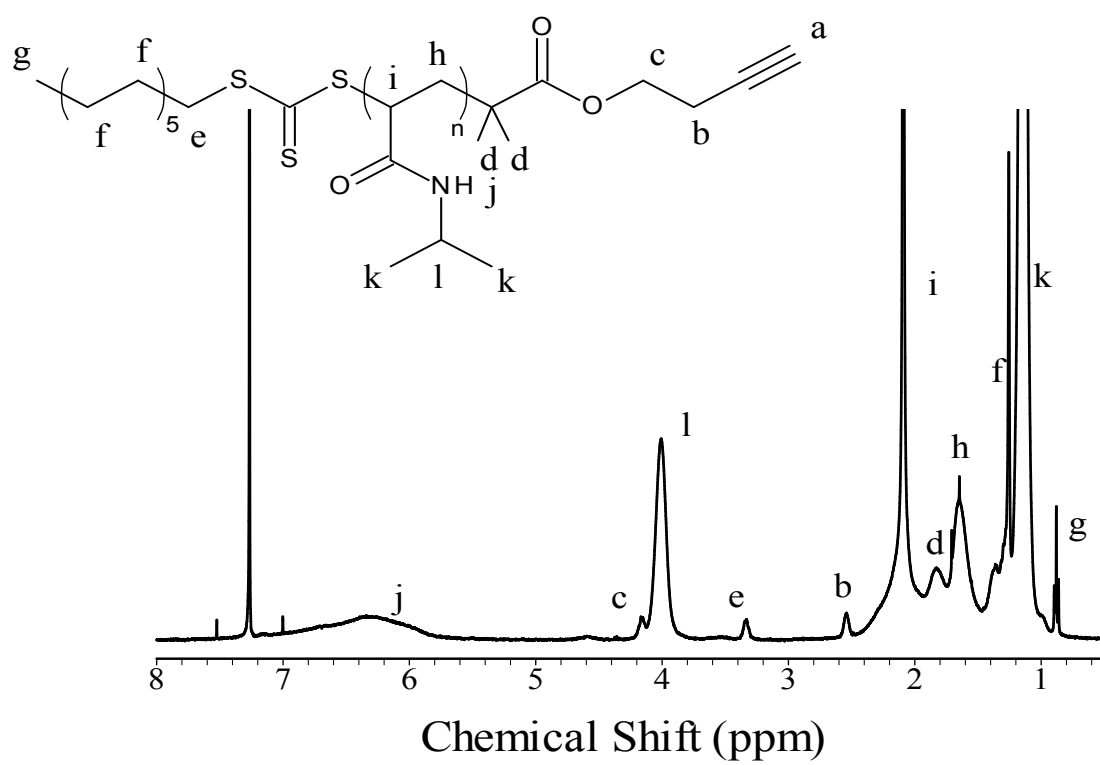


Figure S11. ^1H NMR spectrum of alkyne-containing PNIPAM in CDCl_3 at 27 °C (400 MHz).