

Supporting information for

**Short Elastin-like Peptide-functionalized Gold Nanoparticles that are  
Temperature Responsive under Near-Physiological Conditions**

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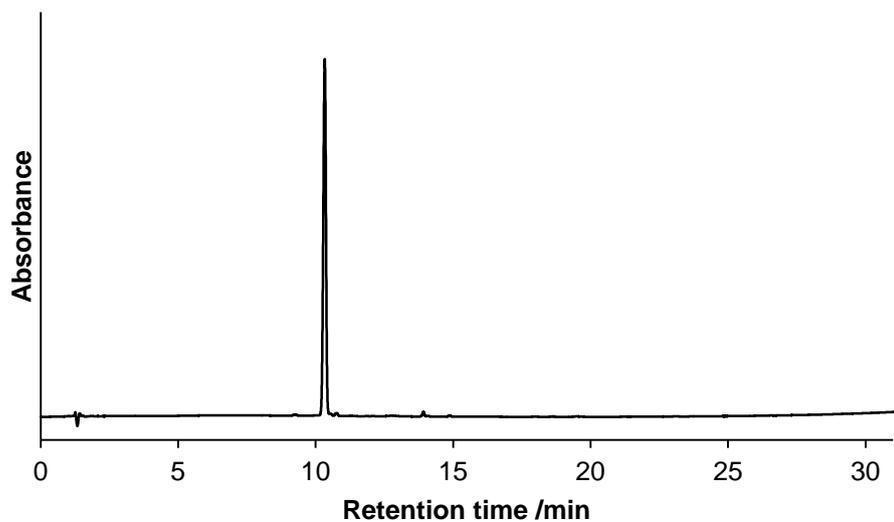
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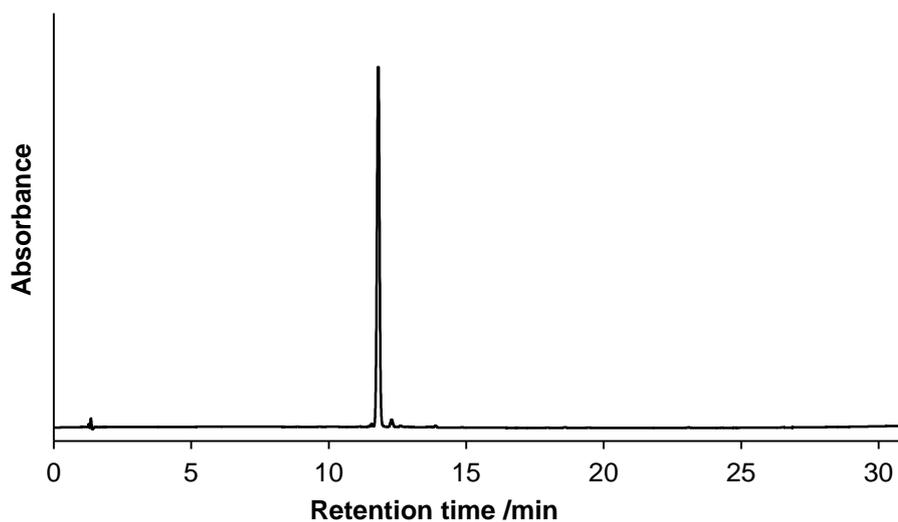
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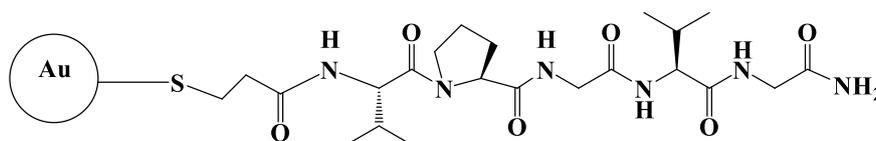




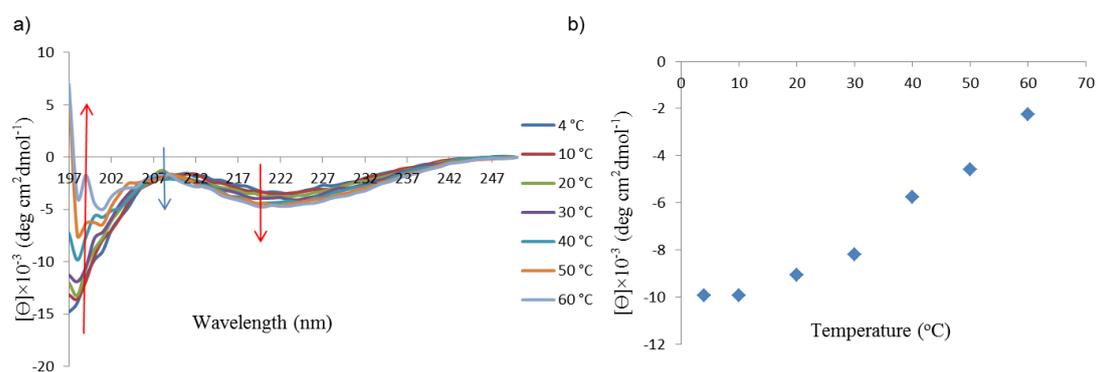
**Figure S3:** Analytical HPLC of **Peptide 2**. Same HPLC condition was carried as **Peptide 1**.



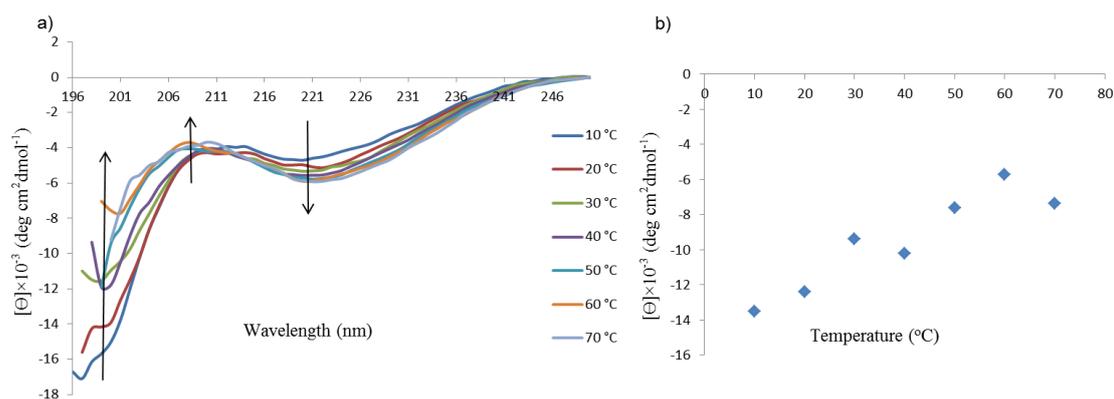
**Figure S4:** Analytical HPLC of **Peptide 3**. Same HPLC condition was carried as **Peptide 1**.



**Figure S5:** Structure of ELP-GNP.



**Figure S6.** a) Temperature dependence of the circular dichroism (CD) spectra of peptide 2 (200  $\mu$ M) in PBS buffer at pH 7.4 from 10 °C to 60 °C; b) Temperature profile of  $[\theta]_{198}$  values for **Peptide 2** (200  $\mu$ M) in PBS buffer at pH 7.4 from 10 °C to 70 °C.



**Figure S7.** a) Temperature dependence of the circular dichroism (CD) spectra of peptide 3 (200  $\mu$ M) in PBS buffer at pH 7.4 from 10 °C to 70 °C. b) Temperature profile of  $[\theta]_{198}$  values for **Peptide 3** (200  $\mu$ M) in PBS buffer at pH 7.4 from 10 °C to 70 °C.