

**Figure S1.** Stability analysis of AuNPs<sup>Tyr</sup> in phosphate buffer saline (PBS) in the presence and absence of serum after 24 h incubation. No sign of aggregation of AuNPs<sup>Tyr</sup> is evident from no significant shifts in the surface plasmon resonance maxima of AuNPs<sup>Tyr</sup>.

