Supporting Information:

Figure S1. EDS spectrum of CaF_2:Y,Gd,Nd NPs.

Figure S2. Absorption and emission spectra of CaF_2:Y,Gd,Nd NPs in the visible region. (**a**) The absorption spectra of CaF_2:Y,Gd,Nd solution (10 mg/mL) in the visible region measured with SpectraMax® iD3 Multi-Mode Microplate Reader; (**b**) the emission spectra of CaF_2:Y,Gd,Nd NPs solution (10 mg/mL) in the 680-850 nm region measured with SpectraMax® iD3 Multi-Mode Microplate Reader under 620 nm excitation.