Electronic supplementary information (ESI)

**Figure S1.** The emission spectrum of BLuP:0.005Eu$^{2+}$ and its Gaussian components on an energy scale.

**Figure S2.** Dependence of $I_{S0}/I_S$ of Eu$^{2+}$ on (a) C$^{6/3}$, (b) C$^{8/3}$, and (c) C$^{10/3}$.