

Supplementary Information

Figure S-1: GPC chromatograms showing the influence of additives on the elution of PS-NH₂ ($M_n = 1,400$, PDI = 1.08) using THF as the mobile phase. The top set of chromatograms show the normalized SEC-UV responses and the bottom set of chromatograms show the normalized light scattering (90° detector) responses for PS-NH₂ using triethylamine (TEA; red line), hexafluoroisopropanol (HFIP; green line), and no (black line) additive, respectively. SEC was performed using a Waters Model 600E Fluid Handling Unit equipped with a Waters Model 717 plus autosampler, two Polymer Labs PLgel 5 μm mixed-C columns in series, a Waters Model 410 refractive index detector, a Waters Model 996 photodiode array detector, and a two-angle laser light scattering detector (PD 2020, Precision Detectors Inc.). MALDI TOF MS and TLC of this polymer show the presence of only PS-NH₂. There is no unfunctionalized PS (PS-H or PS with head-to-head dimer).

