

Electronic Supplementary Information

for

**A sensitive spectrofluorometry of cellular prion protein
based on the on/off interaction between fluorescent
dye-labeled aptamer and multi-walled carbon nanotubes**

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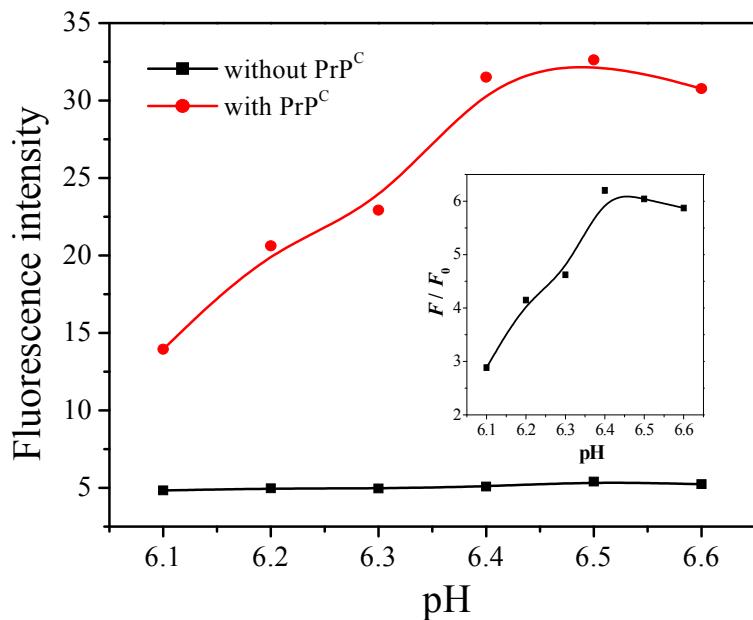


Fig. S1 Effect of pH on the fluorescence intensity of Apt-MWCNTs conjugates with and without PrP^C. Inset: the relative fluorescence intensity (F/F_0) versus pH. TAMRA-aptamer concentration : 25 nM. PrP^C concentration: 50 nM. Excitation wavelength: 525 nm.

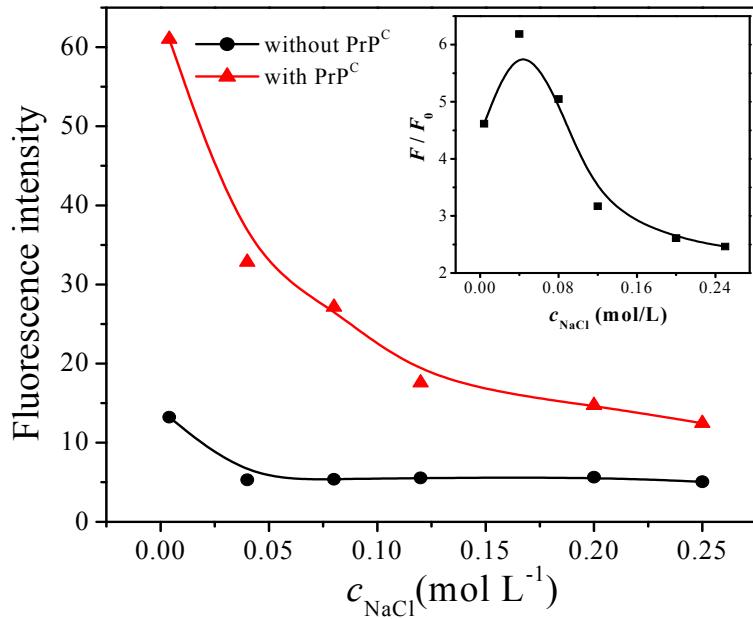


Fig. S2. Effect of ionic strength on fluorescence intensity of Apt-MWCNTs conjugates in the absence and presence of PrP^{C} . Inset: the relative fluorescence intensity (F/F_0) versus different concentration of NaCl. TAMRA-aptamer concentration: 25 nM. PrP^{C} concentration: 50 nM. Excitation wavelength: 525 nm.

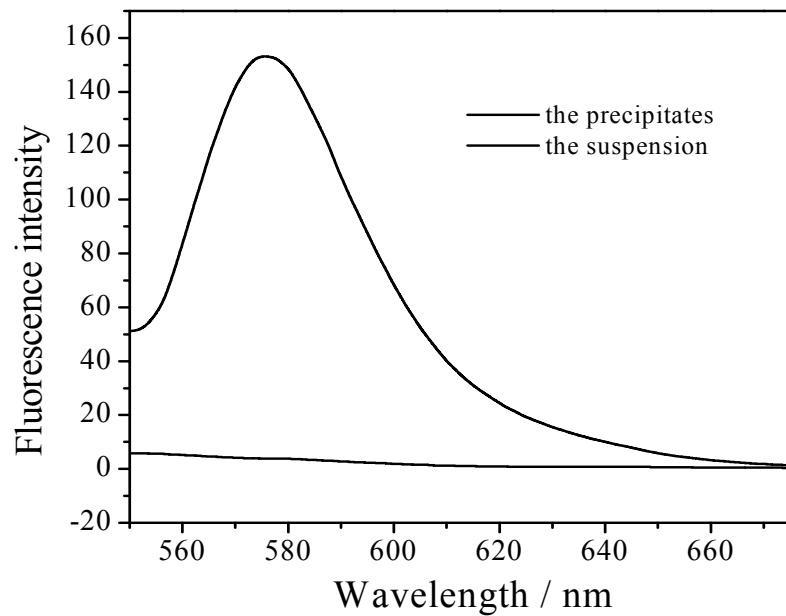


Fig. S3 Fluorescence spectra of the suspension and precipitates after removing the MWCNTs. TAMRA-aptamer concentration: 25 nM. PrP^C concentration: 50 nM. Excitation wavelength: 525 nm.