Supplementary Information

Construction of an Energy Transfer System by Heteromeric Assembly of gp27 and gp5 Proteins Isolated From Bacteriophage T4

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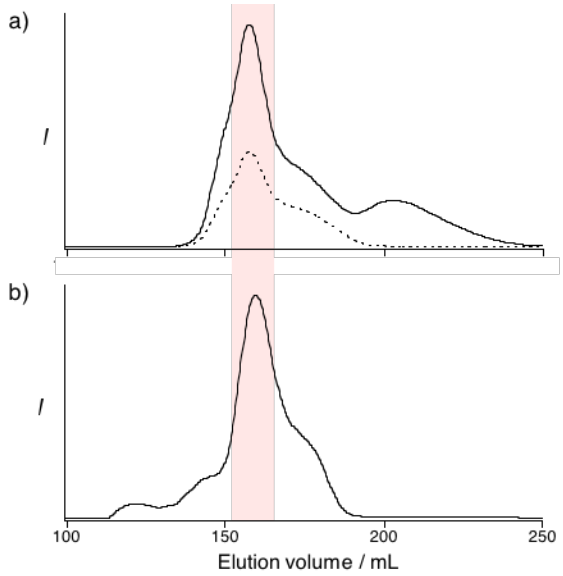

Fig. S1 Size-exclusion chromatography elution profile of (a) **1**•Fl–**2**•TMR and (b) unmodified $(WTgp27\text{-}gp5\_N7C/S351L)_3$ monitored at 280 nm (protein, solid line) and 490 nm (fluorescein, broken line). The fraction colored with red (elution volume; 155-165 ml) of **1**•Fl–**2**•TMR was used for all measurement.

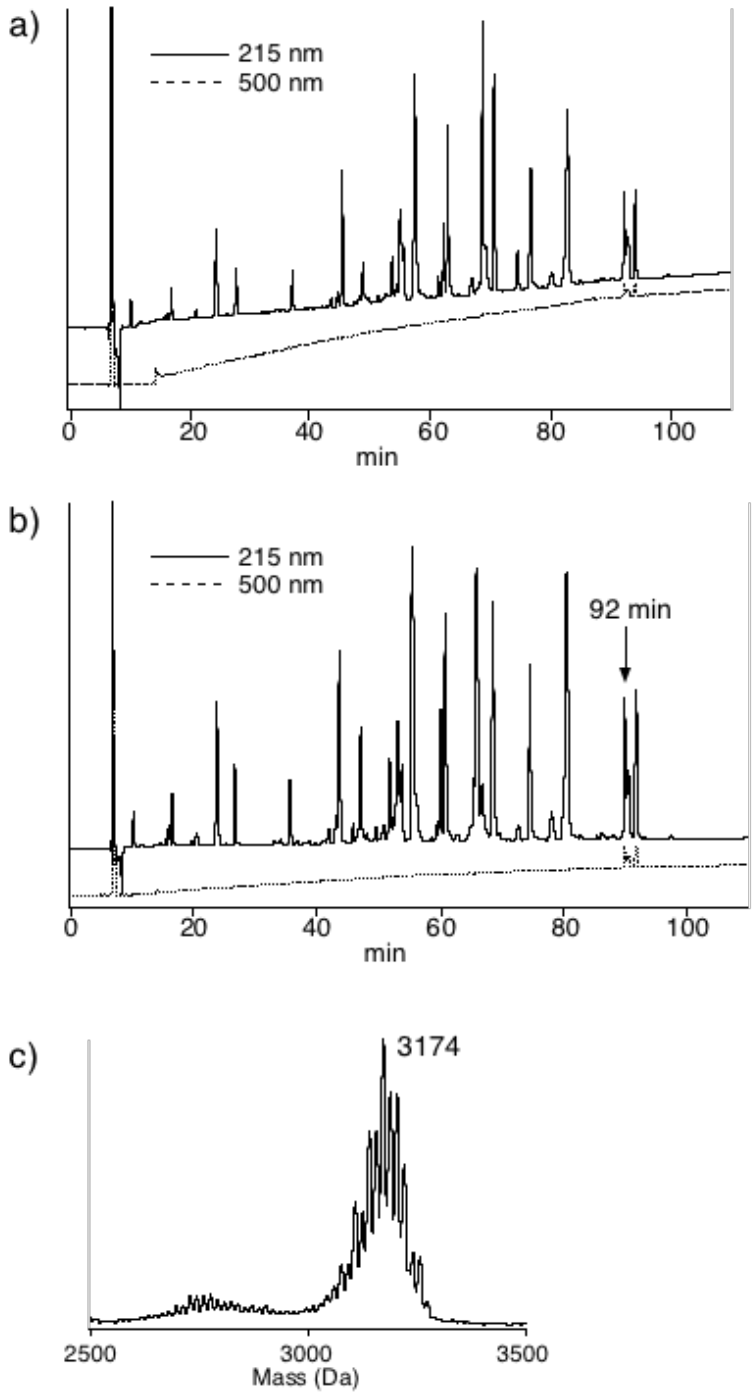

Fig. S2 The elution profiles of reverse phase HPLC of a) **1**•Fl and b) **1**•Fl reacted with NEM. c) MALDI-TOF MS spectrum of the 1-23 fragment of gp5_N7C/S351L•Fl after reaction of **1**•Fl with NEM (the peak at 92 min in Fig S2b). The calculated MW of the 1-23 fragment of gp5_N7C/S351L•Fl is 3152 Da.