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Electronic Supplementary Information

of

Co-delivery of proapoptosis peptide and p53 DNA by reduction-sensitive polypeptides for cancer therapy

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Fig. S1. The CD spectra of xPolyR$_8$, KLA(TPP) and xPolyR$_8$-KLA(TPP). The positive bands near 208 nm and 220 nm were indicative of α-helical conformation of KLA(TPP) and xPolyR$_8$-KLA(TPP)

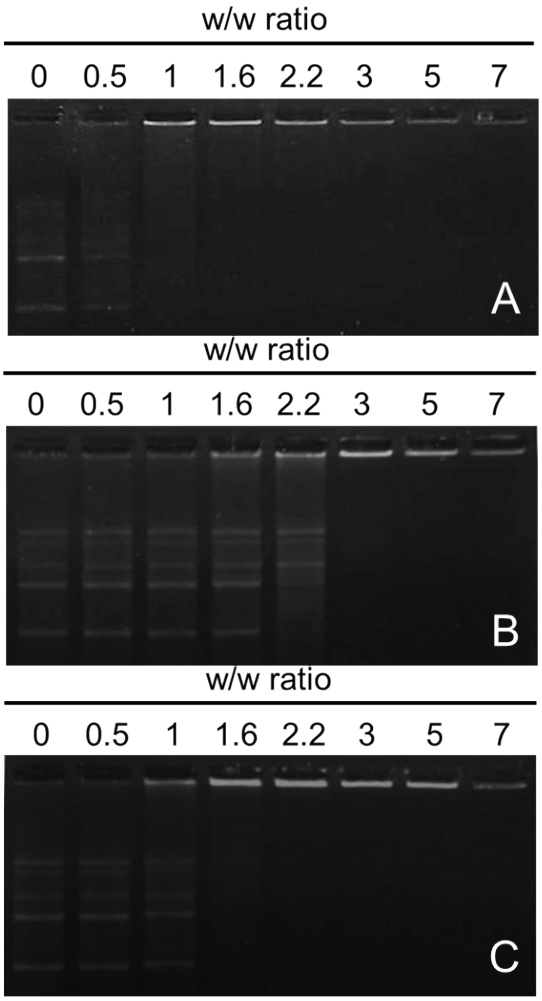

Fig. S2 Agarose gel electrophoresis retardation assay of (A) xPolyR$_8$/pGL-3 complex, (B) C-KLA(TPP)/pGL-3 complex and (C) xPolyR$_8$-KLA(TPP)/pGL-3 complex at different w/w ratios.

Fig. S3 Particle size of vector/pGL-3 complexes at w/w ratios ranging from 5 to 40 (A) and zeta potential of vector/pGL-3 complexes at w/w ratios ranging from 5 to 40 (B). Data are shown as the mean ± SD (n = 3).

Fig. S4 TEM images of vector/pGL-3 complexes at w/w ratio of 20. A: xPolyR_8/pGL-3 complex; B: KLA(TPP)/pGL-3 complex; and C: xPolyR_8-KLA(TPP)/pGL-3 complex.

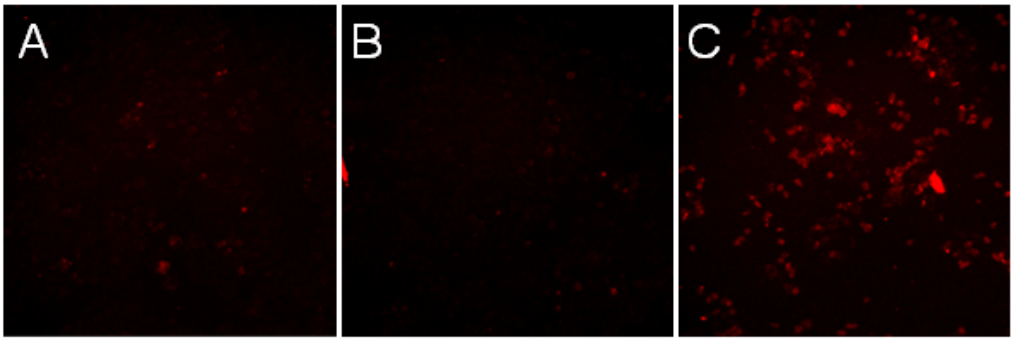

Fig. S5 The transfection of p53 mediated by vector/p53 complexes at w/w ratio of 20. (A) xPolyR_8; (B) C-KLA(TPP); and (C) xPolyR_8-KLA(TPP).