Supporting Information

Reconfiguring the architectures of cationic helical polypeptides to control non-viral gene delivery

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Scheme S1. Synthetic routes of polypeptides with different architectures.
Fig. S1. $^1$H NMR spectrum of VB-$\text{L}$-glu-NCA monomer in CDCl$_3$. 
Fig. S2. Representative $^1$H NMR spectrum of PVBLG precursor in CDCl$_3$/TFA-d (85:15, v/v).
Fig. S3. Representative $^1$H NMR spectrum of PEG-PVBLG conjugates precursor in CDCl$_3$/TFA-d (85:15, v/v). The copolymer composition was calculated by the integral ratio of PEG methylene protons (peak j) to the benzylic ester protons (peak d).
Fig. S4. $^1$H NMR spectrum of PPABLG homopolymer in TFA-$d$. 
Fig. S5. $^1$H NMR spectrum of PEG-$b$-PPABLG diblock copolymer in TFA-$d$. 
Fig. S6. $^1$H NMR spectrum of PPABLG-$b$-PEG-$b$-PPABLG triblock copolymer in TFA-$d$. 
Fig. S7. $^1$H NMR spectrum of 8-arm PEG-$b$-PPABLG star copolymer in TFA-$d$. 
Fig. S8. $^1$H NMR spectrum of (PVBLG-g-PEG)-r-PPABL G graft copolymer in TFA-$d$. 