

Supporting information for

Phase Separation of siRNA/polycation Complex and Its Effect on Transfection Efficiency

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Form factor for homogeneous spherical particle model

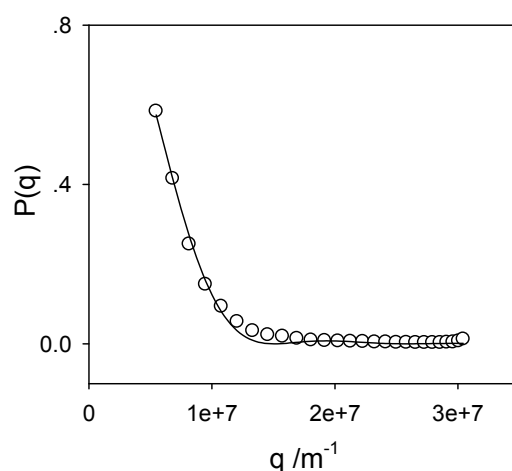


Figure S1. Form factor fitting curve for siRNA/PAMAM complex in DPBS at N/P = 10

AFM image of G4 PAMAM

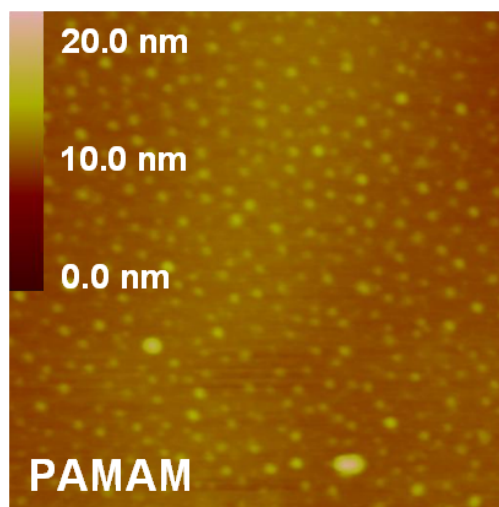


Figure S2. AFM of G4 PAMAM, $c = 3.5 \times 10^{-5}$ g/mL. The view is $2 \mu\text{m} \times 2 \mu\text{m}$.

Time dependence of the UV absorbance of the complex

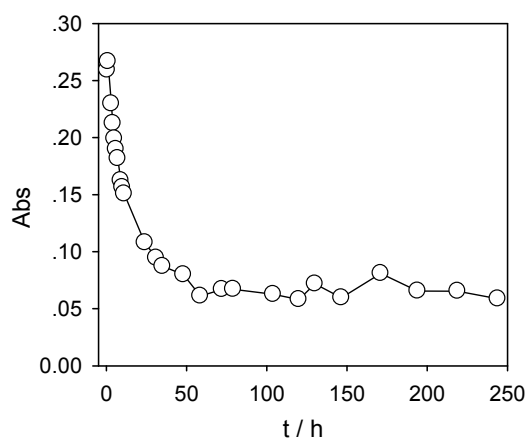


Figure S3. Time dependence of the UV absorbance of the complex (N/P = 10) at 260 nm. $c(\text{oligonucleotide}) = 1.0 \times 10^{-5}$ g/mL, $c(\text{PAMAM}) = 7.0 \times 10^{-5}$ g/mL.

In vitro gene expression of HeLa cell

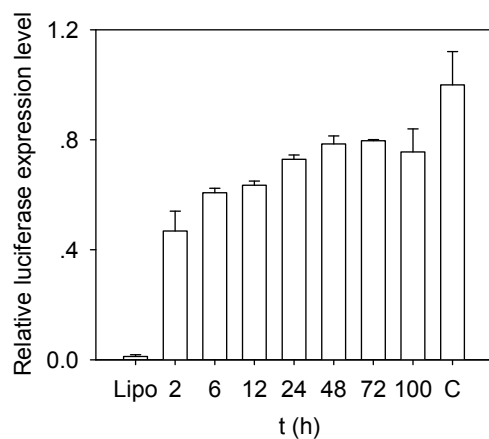


Figure S4. *In vitro* gene expression of Hela cell at different time intervals. Lipo represents lipofectamineTM2000 control; C represents control.