Role of liposome and peptide in the synergistic enhancement of transfection with a lipopolyplex vector

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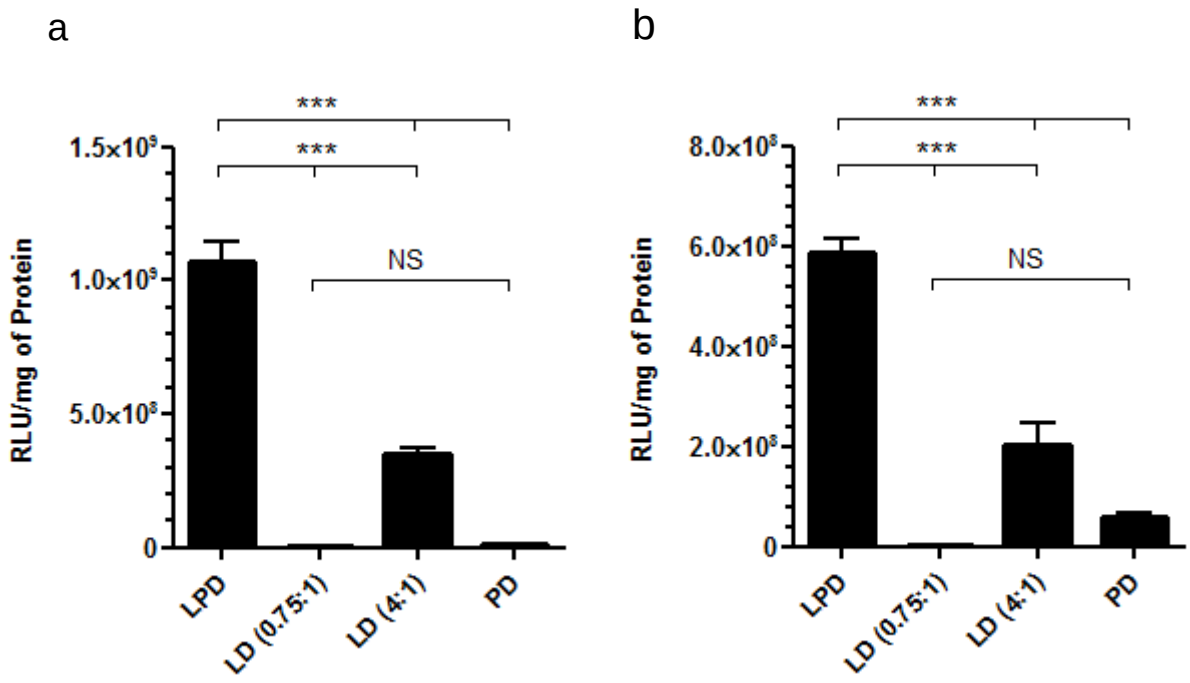

Figure S1. Luciferase activity, measured in relative light units (RLU) per mg of protein following transfection of (a) HEK-293T and (b) HT-1080 cells with pCI-Luc complexed into LPD, LD (0.75:1), LD (4:1) and PD nanocomplexes.

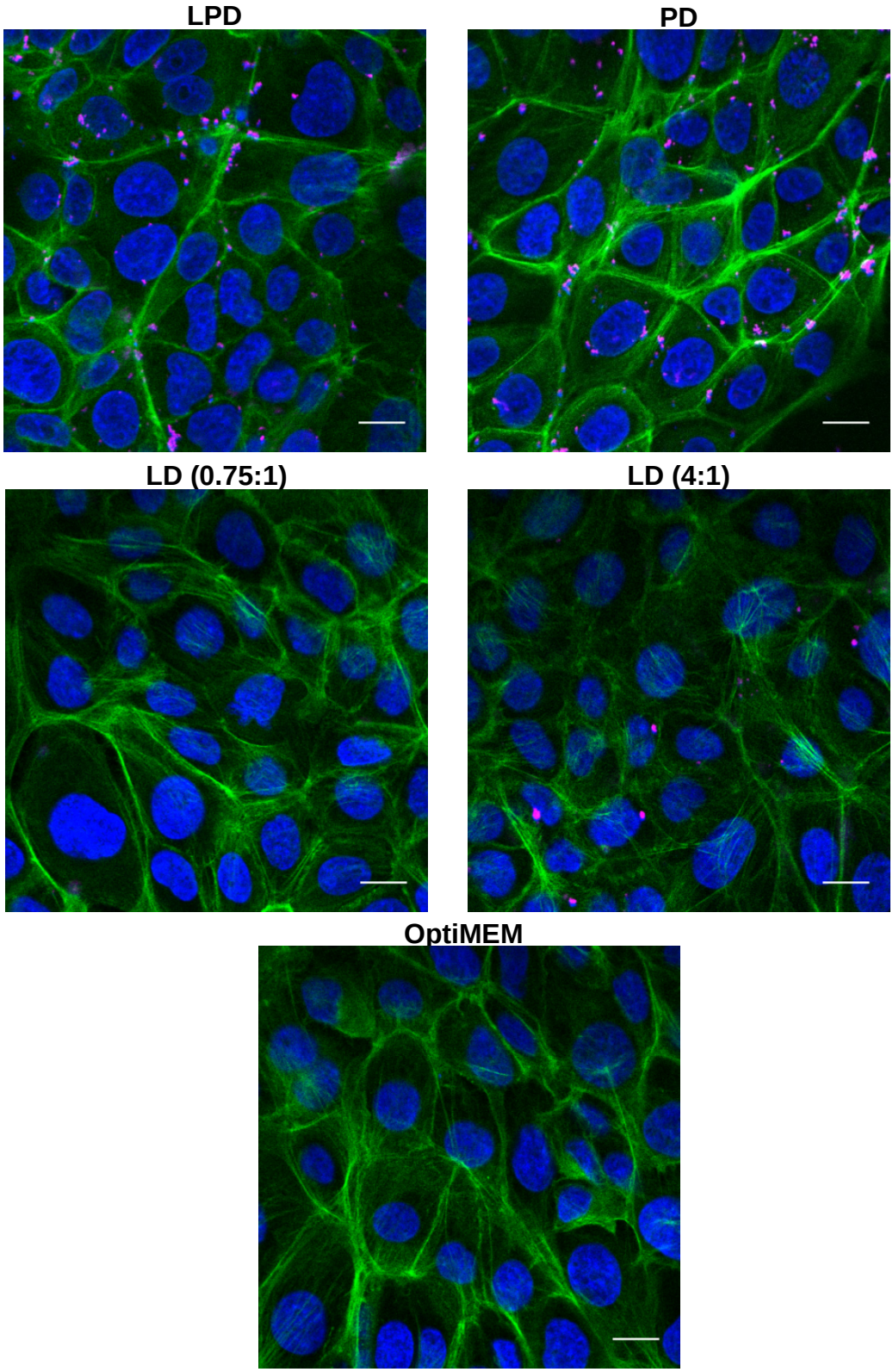

Figure S2. Laser scanning confocal microscopy images of 16HBE14o$^-$ cells transfected with Cy5 labelled pCI-Luc (magenta) complexed into LPD, PD, LD (0.75:1) and LD (4:1) nanocomplexes. Control cells were left untransfected in OptiMEM. Nucleus of the cells was stained with DAPI (blue) and F-actin (green) staining was used to show cell boundaries. Scale bars are 15µm.

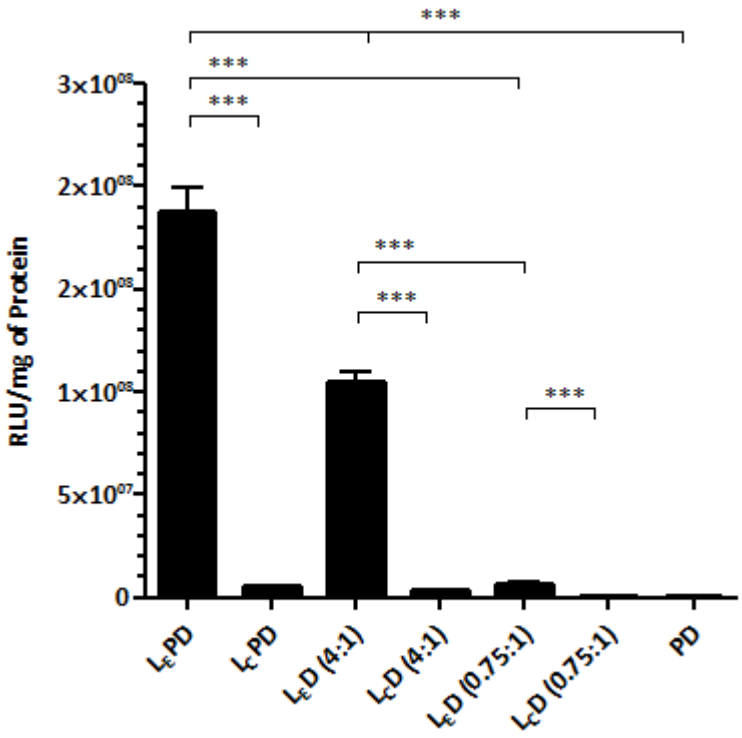

Figure S3. Luciferase activity, measured in relative light units (RLU) per mg of protein following transfection of 16HBE14o$^-$ cells with pCI-Luc complexed into LPD, LD (0.75:1), LD (4:1) and PD nanocomplexes formulated with DHDTMA:DOPE (L_E) or DHDTMA:DOPC (L_C) liposomes.

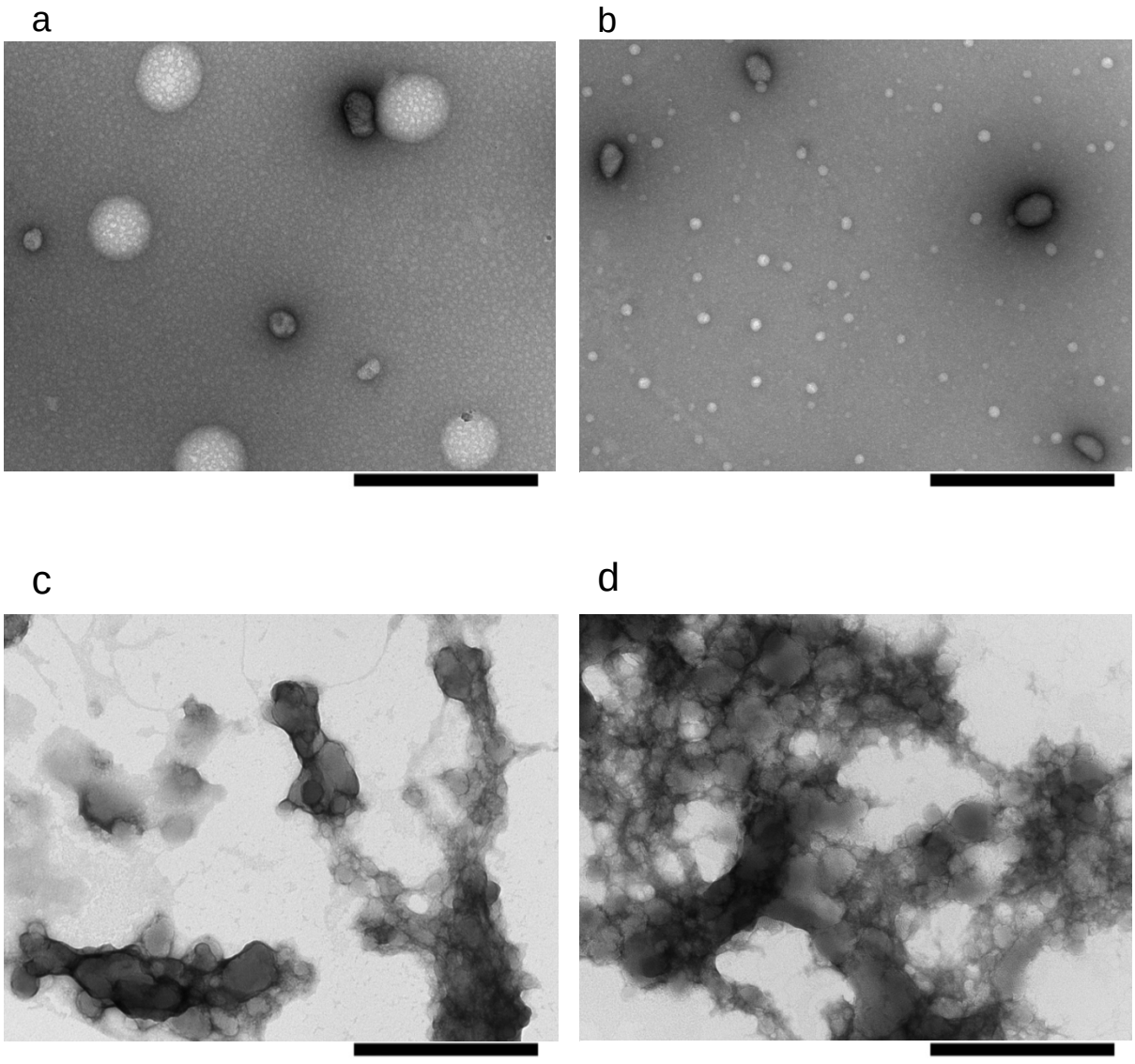

Figure S4. Transmission electron micrographs of (a) LPD and (b) PD (c) LD (0.75:1) and (d) LD (4:1) complexes. Scale bars are 500nm.