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Supporting Information

Comb-shaped Polymer Grafted REDV Peptide, PEG and PEI as Targeting Gene Carriers for Selective Transfection of Human Endothelial Cells

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	Distribution Name	Mn (Daltons)	Mw (Daltons)	MP (Daltons)	Mz (Daltons)	Mz+1 (Daltons)	Polydispersity	Mz/Mw	Mz+1/Mw
1		8073	8380	8251	8696	9020	1.037941	1.037803	1.076460

Figure S1. Molecular weight and its distribution of PHEMA measured by GPC.





	Broad Offkhown Relative Feak Table											
	Distribution Name	Mn (Daltons)	Mw (Daltons)	MP (Daltons)	Mz (Daltons)	Mz+1 (Daltons)	Polydispersity	Mz/Mw	Mz+1/Mw			
1		44528	60028	51427	79201	98578	1.348116	1.319387	1.642187			

Figure S2. Molecular weight and its distribution of PHEMA-*b*-PCL measured by GPC.





	Broad Unknown Relative Peak Table										
	Distribution Name	Mn (Daltons)	Mw (Daltons)	MP (Daltons)	Mz (Daltons)	Mz+1 (Daltons)	Polydispersity	Mz/Mw	Mz+1/Mw		
1		94672	105216	98522	118461	124692	1.111374	1.125884	1.185105		

Figure S3. Molecular weight and its distribution of PHEMA-b-PCL-g-PEG-g-PEI measured by GPC.



Figure S4. The hydrodynamic diameter of nanoparticles and complexes. A) Non-targeted nanoparticles, B) targeted nanoparticles, C) non-targeted complexes (N/P = 20), D) targeted complexes (N/P = 20).



Figure S5. The zeta potential of nanoparticles and complexes. A) Non-targeted nanoparticles, B) targeted nanoparticles, C) non-targeted complexes (N/P = 20), D) targeted complexes (N/P = 20).