Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information

Amphiphilic non-viral gene vector prepared by combination of enzymatic Atom Transfer Radical Polymerization and enzymatic Ring-Opening Polymerization

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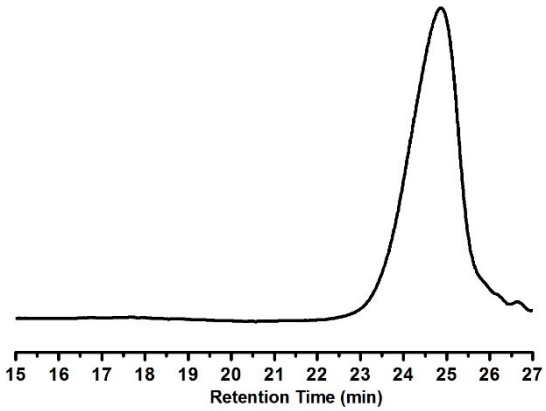

Fig. S1. GPC trace of PCL-Br obtained by Novozym 435 catalyzed.

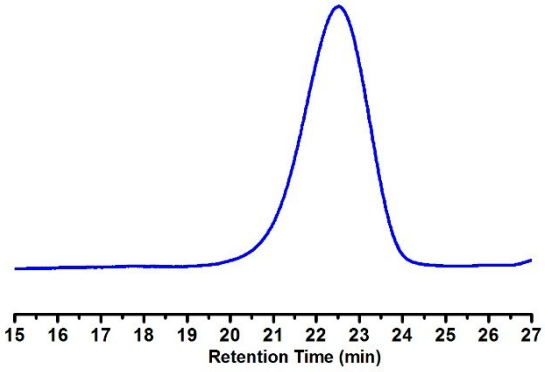

Fig. S2. GPC trace of PCL-b-PGEA$_{60}$ obtained by DhHP-6 catalyzed.

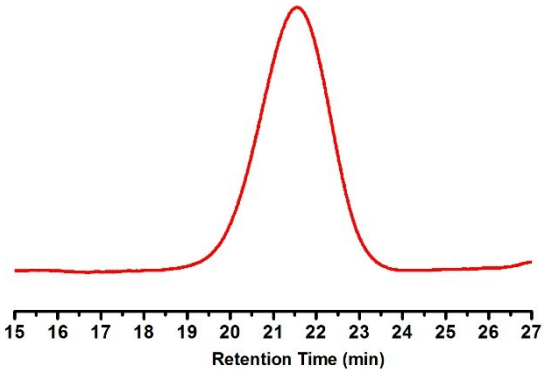

Fig. S3. GPC trace of PCL-b-PGEA$_{142}$ obtained by DhHP-6 catalyzed.

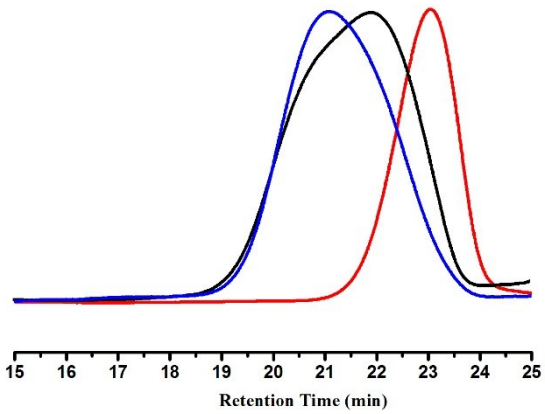

Fig. S4. GPC traces of DhHP-6 catalyzed polymerization of GMA initiated by PCL-Br under AGET ATRP.

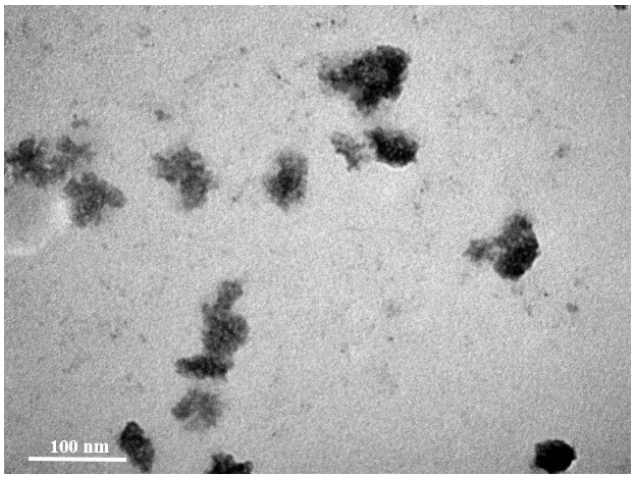

Fig. S5. TEM imagine of PCL-b-PGEA$_{142}$ at w/w=10.

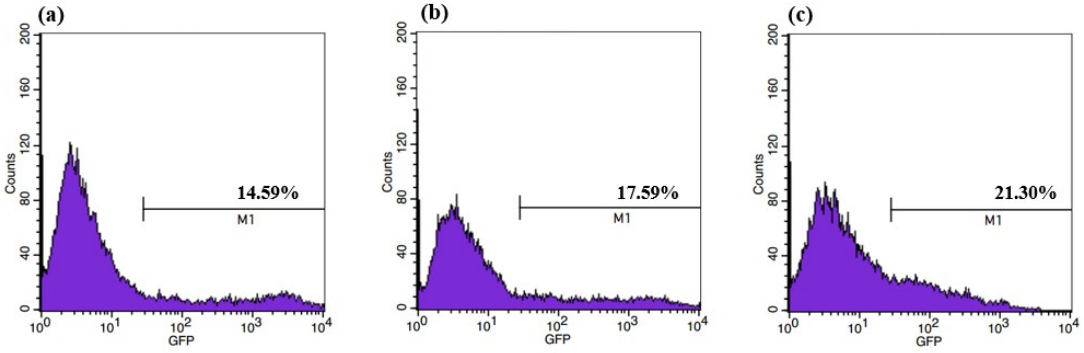

Fig. S6. Flow cytometry analysis plot of (a) PCL-b-PGEA$_{60}$ (b) PCL-b-PGEA$_{142}$ (c) PEI 25kDa