Supplementary Information

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Cationic copolymer enhances 8-17 DNAzyme and MNAzyme activities

Krittika Rudeejaroonrung, Orakan Hanpanich, Ken Saito, Naohiko Shimada, Atsushi Maruyama*

School of Life Science and Technology, Tokyo Institute of Technology, 4259-B57 Nagatsuta-cho, Midori, Yokohama, Kanagawa 226-8501, Japan

*Corresponding Author

E-mail: amaruyama@bio.titech.ac.jp

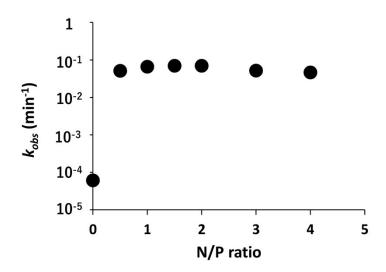


Figure S1 N/P ratio dependence of 8-17 MNAzyme multiple-turnover reactivity, k_{obs} , with miR-21 target. Experimental condition: 35 °C, pH 7.3, in the presence of 0.2 mM Pb²⁺.

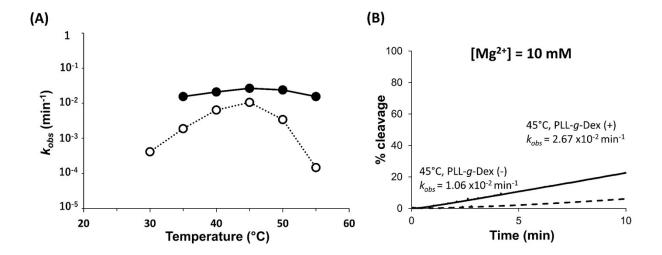


Figure S2 8-17 MNAzyme multiple-turnover reactions with 29-nt-long DNA target at pH 7.3. (A) Temperature dependence of k_{obs} , estimated in 10 mM Mg²⁺ in the absence (dotted line) and presence (N/P=2) (solid line) of PLL-*g*-Dex. (B) Percent cleavage of substrate at the optimal temperature in the absence (dotted line) and presence (N/P=2) (solid line) of PLL-*g*-Dex with 10 mM Mg²⁺.