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Electronic Supplementary Information

Target-activated Plasmon coupling Surface Enhanced Raman scattering platform for highly sensitive and reproducible detection of miRNA-21 *Yanfang Cui^a, Jing Zheng^b, Wei Zhuang^a, Haiwang Wang^{c,d*}* ^a Department of Clinical Laboratory, Binzhou Medical University Hospital, Binzhou, P. R. China ^bScience and Technology Division, Binzhou Medical University Hospital, Binzhou, P. R. China ^c College of Biological Sciences and Technology, University of Jinan, Jinan, P. R. China ^d Institute of Disaster Medicine, Tianjin University, Tianjin, P. R. China

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Fig.S1 TEM images of AuNPs modified DNA and 4-NTP incubated with Exo III in the absence (left) and presence (right) of 10 nM miRNA-21.