Supporting Materials

A Highly Specific Graphene Platform for Sensing Collagen Triple Helix

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![Figure S1](image)

**Figure S1.** Characterization of GO. FTIR spectrum (A), Raman spectrum (B) and TEM image (C) were measured for GO. The FTIR spectrum showed the characteristic vibrations of GO: 3428.8 cm\(^{-1}\) (O-H bond), 1727.9 cm\(^{-1}\) (C=O bond), 1623.8 cm\(^{-1}\) (the bonds of the unoxidized graphitic skeletal domains), and 1064 cm\(^{-1}\) (C-O bond). The Raman spectrum displayed a strong peak corresponding to the vibration of sp\(^2\)-bonded carbon atoms (G band) and another strong peak resulting from the vibration of carbon atoms with dangling bonds (D band). The TEM image showed a typical layered structure of GO.