Supporting Information of

Surface chemical functionalization of Single Walled Carbon Nanotubes with a Bacteriorhodopsin mutant

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Figure S1 compares the absorption spectra of PM-D96N in aqueous solution at pH 7 before and after the sonication and in aqueous buffers at pH 5, 7.5 and 9.

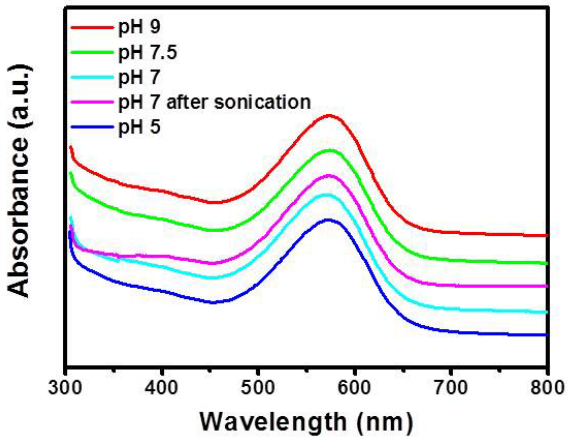

Figure S1. UV-vis absorption spectra of PM-D96N in aqueous solution at pH 7 before and after sonication and in buffers at pH 5, 7.5 and 9.

Figure S2 shows the raman spectrum of SWNTs sonicated with PM-D96N in buffer at pH 7.5. In the figure the typical raman mode of the crystalline silicon substrate at 520 cm^{-1}, which has been used for calibration, can be observed.

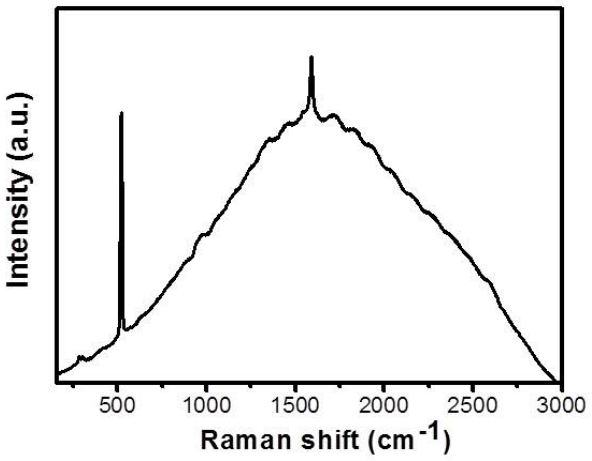

Figure S2. Raman spectrum of SWNTs sonicated with PM-D96N in buffer at pH 7.5.