



Figure 1. Protein purification and EM data of the human E1371Q-CFTR chloride channel.

A. Size exclusion chromatography profile showing CFTR monomer can be readily purified in detergent. **B.** SDS-PAGE gel indicating the deglycosylated CFTR has a molecular weight at around 130 kDa. **C and D.** Negative staining images under different magnifications showing CFTR molecules separate well when in detergent. Different scale bars at the bottom of the image also indicate the right size of the protein. **E.** A high-resolution CFTR density map obtained using data collected at NCCAT.