



Figure 1. Protein quality assessment and EM data of the human 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.** Negative staining demonstrating CFTR molecules separate well in detergent. The scale bar at the bottom of the image indicates the right size of the protein. **D.** Representative cryo-image of CFTR protein taken by Krios with K3 camera. **E.** A high-resolution CFTR electron density map obtained using data collected at NCCAT. **F.** An initial EM map of G551D-CFTR without ligand bound (before postprocessing).