



Figure 1. Purification and properties of NPEPPS, LRRC8A and their fusion construct. (A) Coomassie blue staining. (B) Purified NPEPPS and LRRC8A form complex in vitro. (C) Time courses of LRRC8A/C currents (+120 and -120 mV) expressed in HeLa double-KO cells with/without TEV protease. (D) Cleavage of the fusion construct by co-expressed TEV protease. (E) 2D class averages and 3D map of channels formed by LRRC8A-TEV-linker-NPEPPS (upper panel) from a limited number of micrographs obtained with FEI Glacios 200 kV electron microscope. For comparison, previously reported 2D class averages and 3D map of LRRC8A alone channels are shown at the bottom. Arrows (red) indicate extra density originated from NPEPPS.