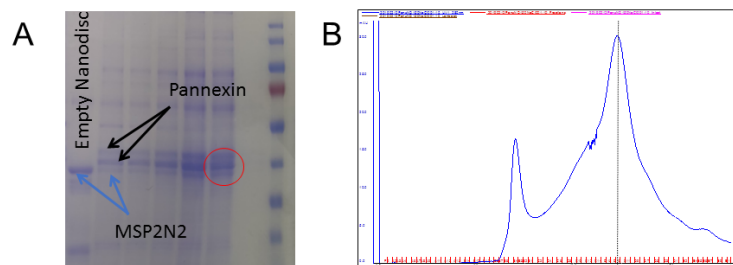
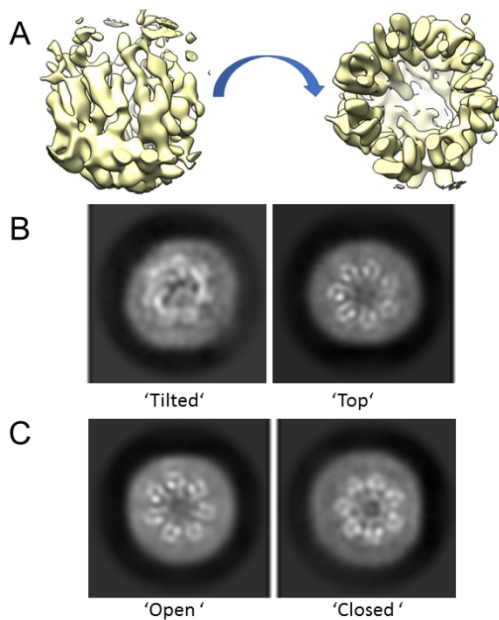


**Figure 1.** (A) Classes of pannexin1 in detergent micelles. (B) Reconstruction of pannexin1 from particles of the above classes. The structure is shown at different thresholds.



**Figure 2. Purification and reconstitution of pannexin 1** (A) SDS gel of the fractions from an affinity column after reconstitution of pannexin1 into lipid nanodiscs. (B) Gel filtration profile.



**Figure 3. Structure of pannexin1** (A) Reconstruction of particles after 2D classification from the Talos dataset. Left is a side view of the structure in the membrane plane. Right is the top view. The density of the lipid nanodisc was masked. (B) Representative class of tilted and top views. (C) Classes representing a presumed open and closed conformation of the pannexin.