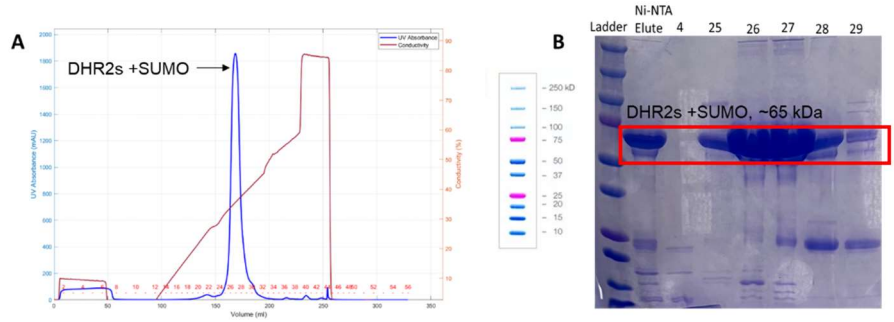

Fig 1: Purification of Dock7-DHR2s. (A) Anion exchange purification trace and the corresponding (B) SDS-PAGE gel showing the purity of DHR2s.

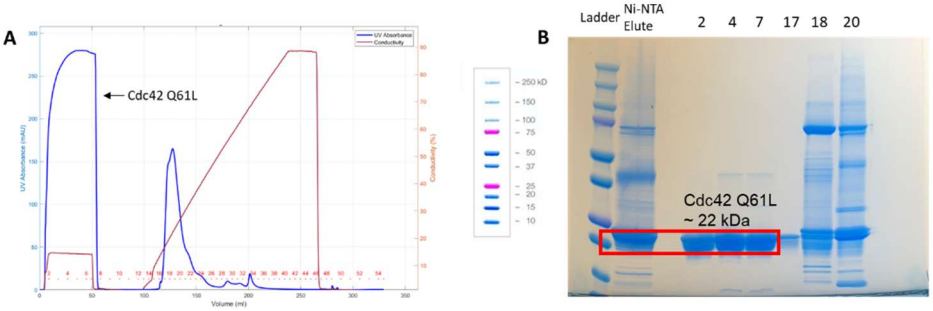

Fig 2: Purification of Cdc42(Q61L). (A) Anion exchange purification trace and the corresponding (B) SDS-PAGE gel showing the purity of Cdc42 Q61L. Cdc42 does not binds to Q-column and elutes in Flow through while the other impurities bind with the column.

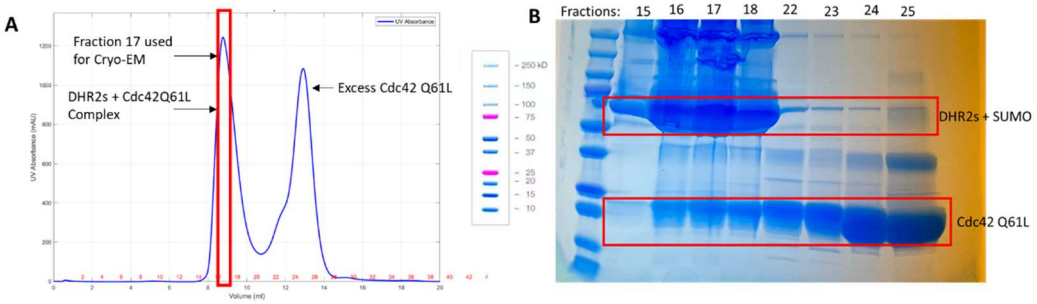

Fig 3: Purification of Cdc42(Q61L)-DHR2s complex. (A) Size exclusion chromatography trace and the corresponding (B) SDS-PAGE gel of the complex. The peak on the left corresponds to complex while the peak on the right corresponds to excess Cdc42Q61L. Fraction 17 was diluted and applied to Cryo-EM Grid.

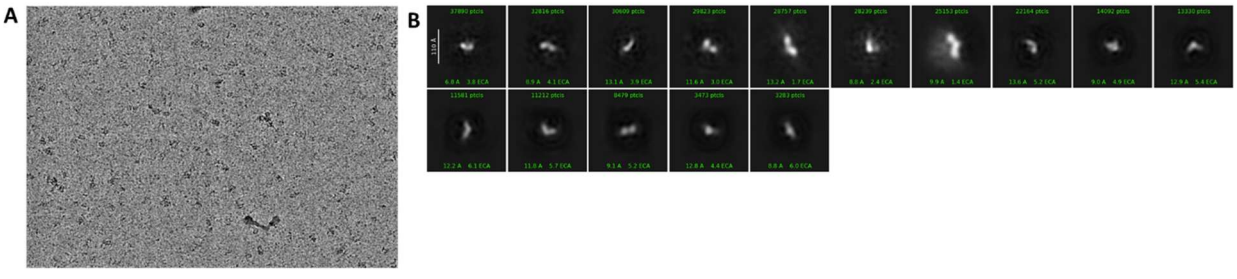

Fig 4: Initial data acquisition of the Cdc42(Q61L)-DHR2s complex. (A) A representative micrograph collected on a 200 kV Talos Arctica with K3 detector at 79000x and (B) 2D classes resulting from ~700 micrographs and ~300,000 particles. The 2D classes were generated using CryoSPARC.