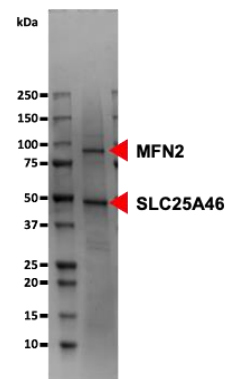
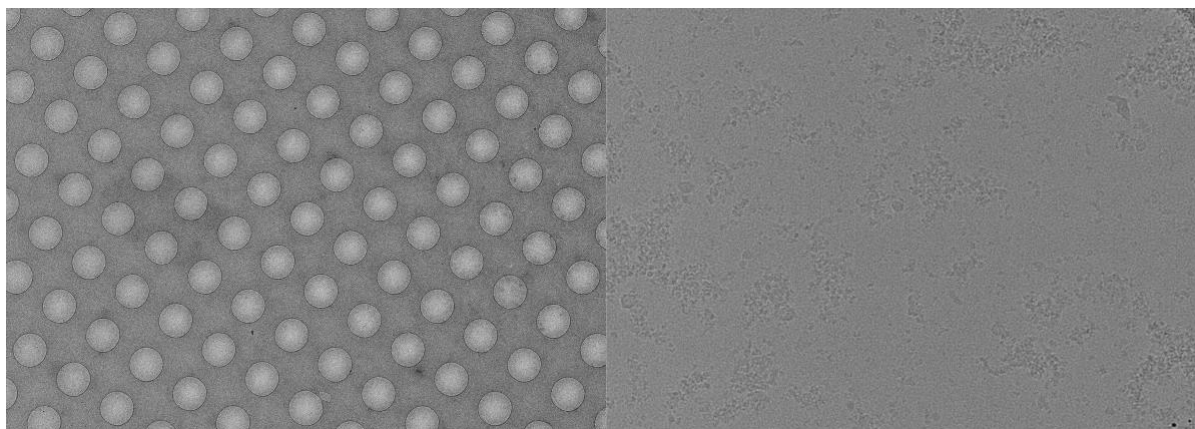


**Fig. 1.** SEC trace of MFN2-SLC25A46 in PMAL-C8. The MFN2-SLC25A46 obtained after Ni-NTA and StrepTactin affinity chromatography was treated with PMAL-C8 and subjected to SEC using Superose 6 Increase 10/300 GL

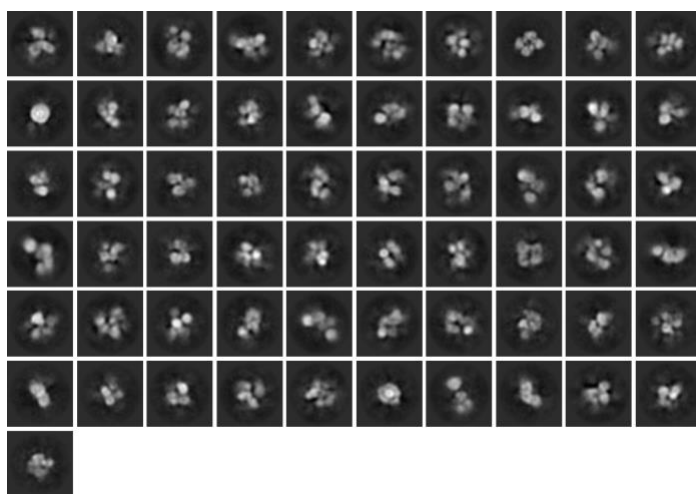


**Fig. 2.** SDS PAGE of PMAL-C8.MFN2-SLC25A46 complex purified by size exclusion chromatography. The fractions between 11.6 and 15.3 ml in Fig. 1 were concentrated for cryo-EM.



**Fig. 3.** Purified PMAL-C8.MFN2-SLC25A46-OPA1 complex at 4 mg/ml and 2 mg/ml concentrations were screened using TALOS Arctica. The micrographs shows holes with thin ice across.

**Fig. 4.** Micrograph of PMAL-C8.MFN2-SLC25A46-OPA1 frozen at 2 mg/ml concentration.



**Fig. 5.** Selected 2D classes of PMAL-C8.MFN2-SLC25A46-OPA1 particles. Particles were extracted using a box size of 360 px (1.1 Å/px) and subjected to 2D classification in cryoSPARC.