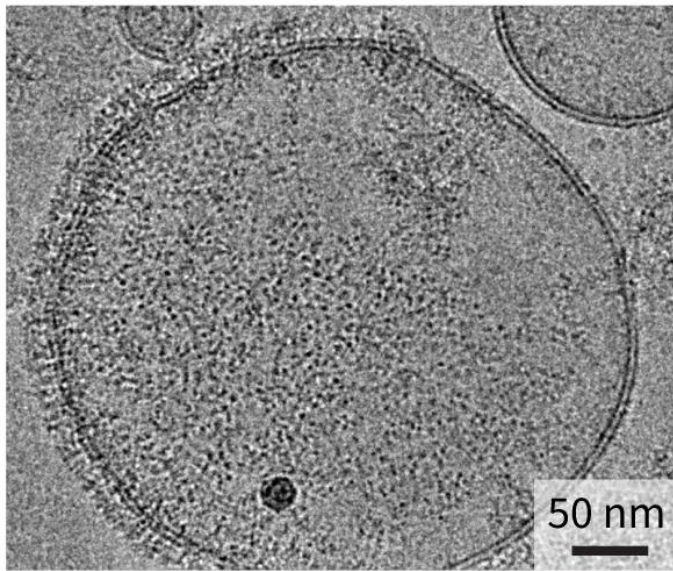


A mGluR7, native membranes



B

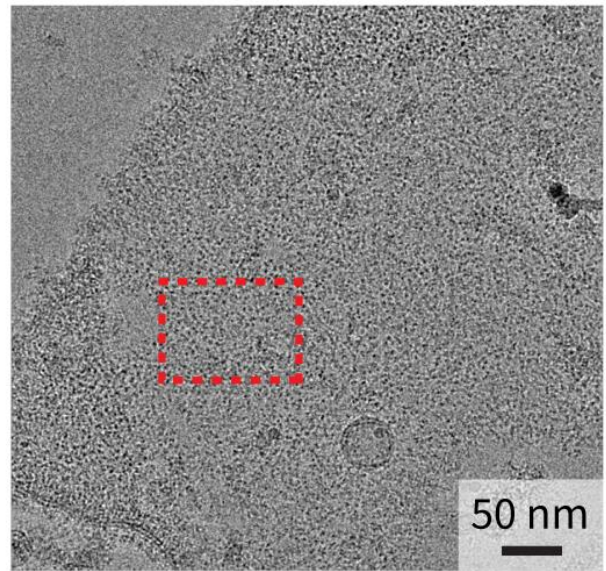


Figure 1. (A) Cryo-EM micrograph of NMVs containing mGluR7s. The receptors form a large bulk phase cluster that is absent in the upper right quadrant. (B) Another micrograph showing a large mGluR7 cluster in a vesicle.

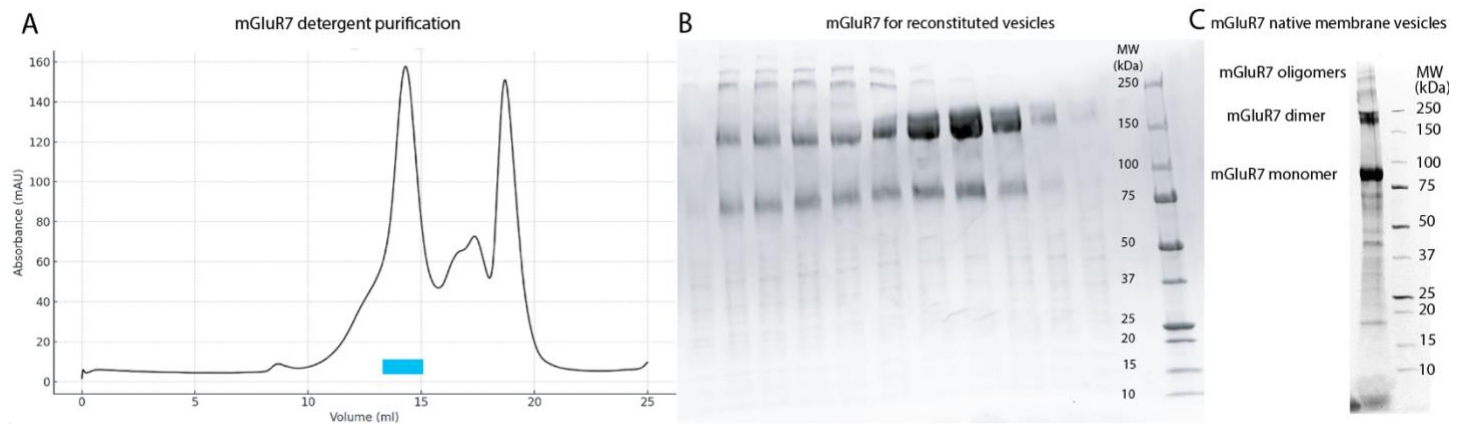


Figure 2. Purification and characterization of mGluR7 for cryo-EM studies.

(A) Gel-filtration chromatogram of detergent-solubilized mGluR7 on a Superose 6 Increase column. The fractions highlighted in blue (14.5–16.5 mL) were pooled for reconstitution into liposomes.

(B) SDS-PAGE analysis of the gel-filtration fractions shows mGluR7, which was used for reconstitution into synthetic vesicles.

(C) SDS-PAGE of mGluR7 isolated from native membrane vesicles.