



Figure 1. (A) SEC and SDS-PAGE results of the PTHR-Gq complex. (B) Representative 2D classes of the complex showing clear features of secondary structures. (C) GSFSC curves calculated by CryoSPARC indicating overall resolutions. (D) Cryo-EM map of the LA-PTH-PTH-Gq complex. PTHR in the structures of PTHR-Gs and Gq trimer were modeled into the map (right panel). The extra density attached to Gq is an antibody fragment, scFv16, which was used to stabilize the complex. The density surrounding PTHR is from detergent micelles. (E) Weak density of the N-terminal domain (ECD) of PTHR.