

Supplementary information, Figure S1

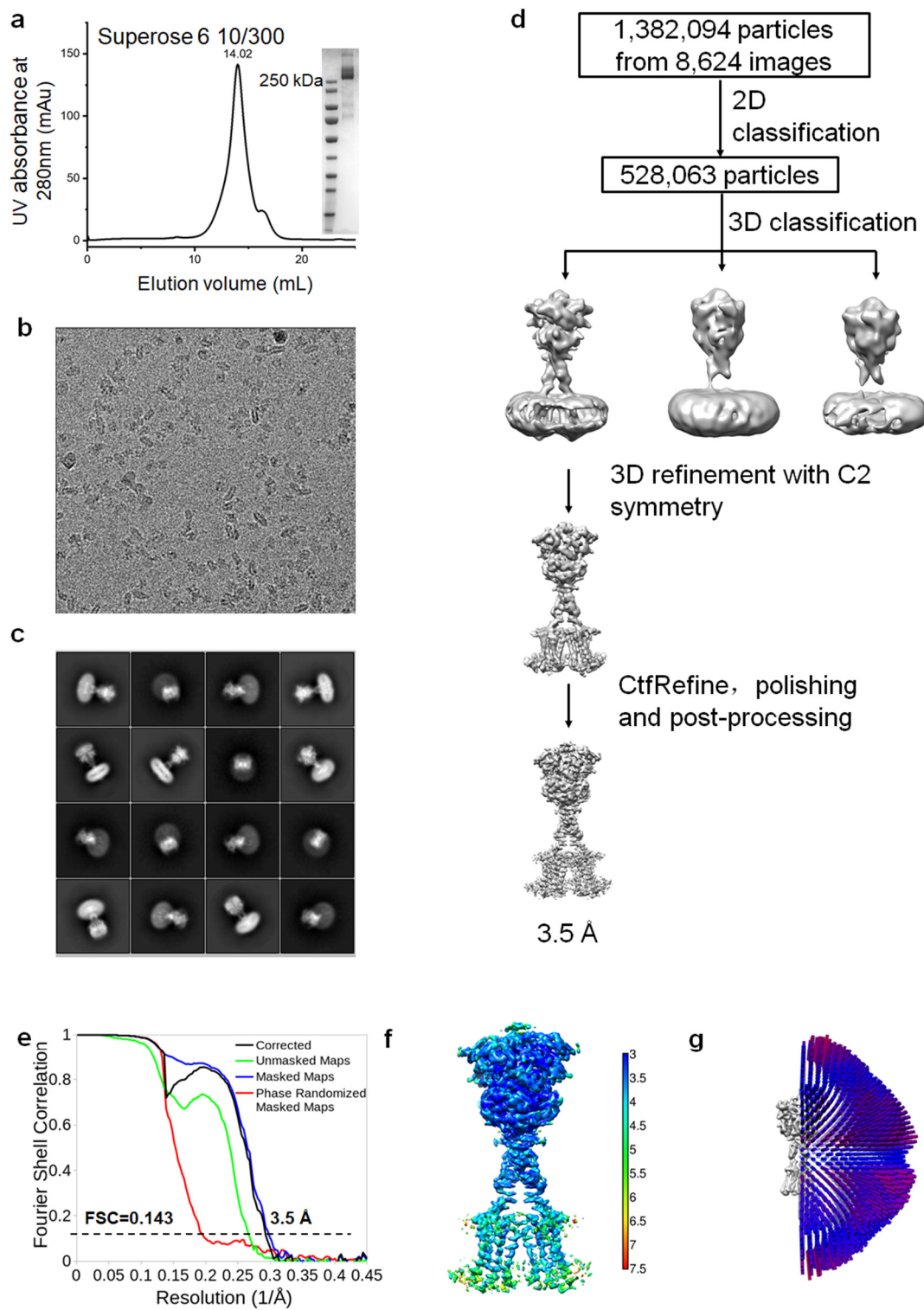


Fig. S1 Cryo-EM structure determination of CaSR in an active state. **a** Gel filtration and SDS-PAGE analysis of CaSR protein in DDM/CHS micelles. **b** A representative cryo-EM micrograph of CaSR in the Ca^{2+} and L-Trp-bound active state. **c** Representative 2D class averages of the active CaSR. **d** Cryo-EM data processing flow chart of CaSR in the Ca^{2+} and L-Trp-bound active state (CaSR^{Acc}). **e** Solvent-corrected Fourier shell correlation curve from Relion indicates that the resolution of the map is 3.5 Å at FSC = 0.143. **f** Density map of CaSR^{Acc} colored according to local resolution estimation. **g** Particle angular distribution of final cryo-EM reconstruction of CaSR^{Acc} .