



Figure 1. Feasibility of native rat cerebella GABA receptors for cryo-EM studies. **a**, The trptophan fluorescence detection size-exclusion chromatography trace of native rat cerebella GABA receptors in nanodiscs isolated from 10 rats. **b**, silver staining SDS-PAGE of the cryo-EM sample. **c**, representative cryo-EM micrograph (denoised with micrograph denoiser in cryosparc v4.6.2). Circled are two GABA receptor side views. Scale bar represents 15 nm. **c**, 2D class averages from ~100 micrographs captured with Glacios. Scale bar represents 15 nm. **d**, 3D classes from the same 100 movie dataset.