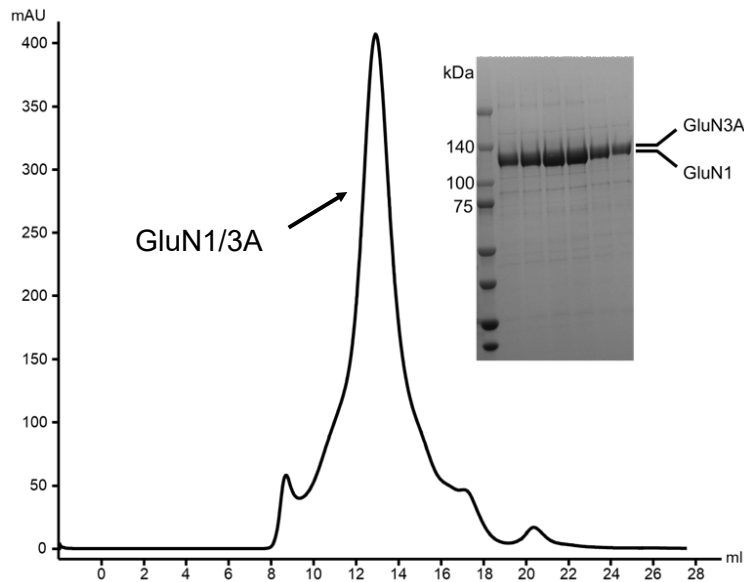
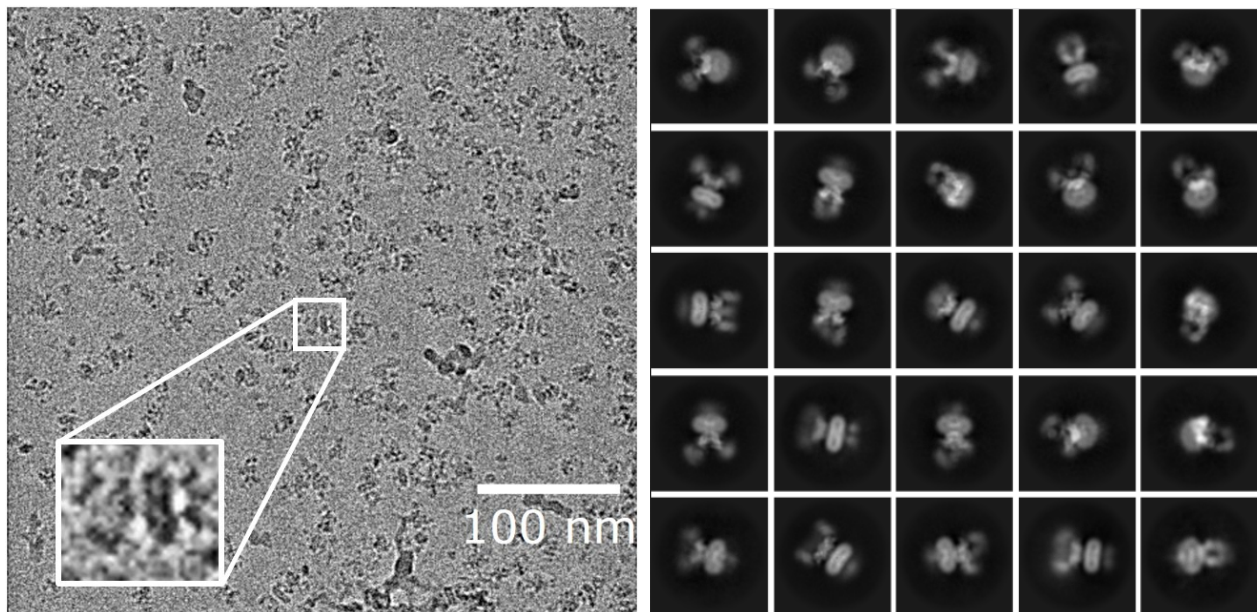


## Supplementary information of

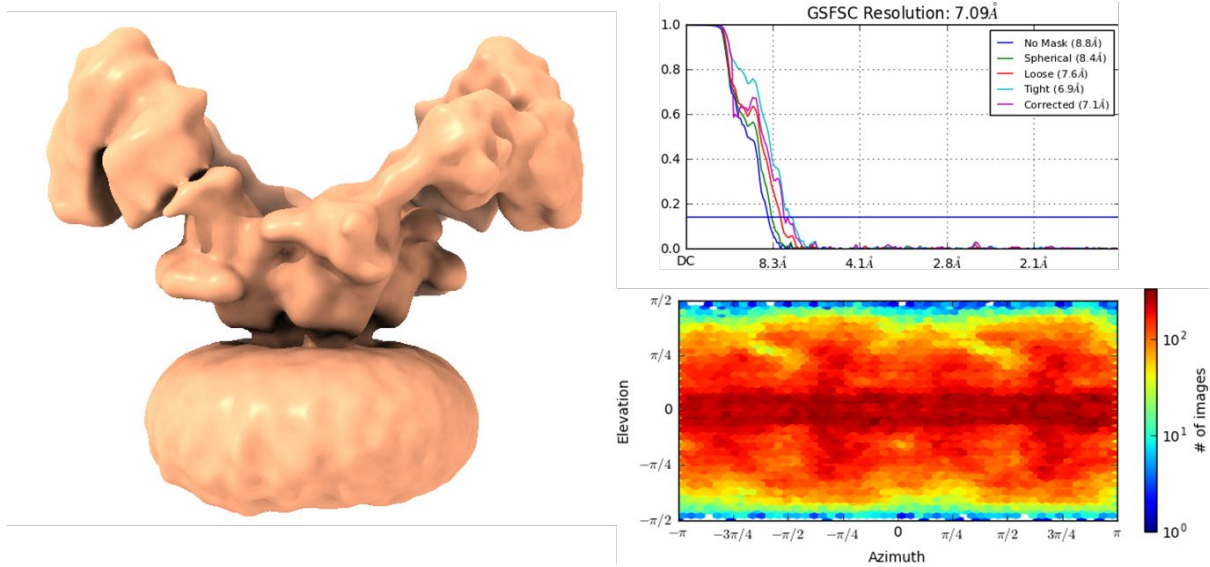
### Molecular structures and mechanisms of recombinant NMDA receptors elucidated by single particle cryo-EM



**Fig. 1.** Purification of GluN1/GluN3A by size-exclusion chromatography and SDS-PAGE result. The symmetric peak with nice purity stands for the high homogeneity of sample which is suitable for imaging experiment.



**Fig. 2.** Representative image (left) and 2D-classification result (right) of GluN1/GluN3A. Cryo-EM grid with nice contrast allowed to see the outline of receptor from single protein particle.



**Fig. 3.** Electron density of GluN1/GluN3A after 3D-reconstruction, which resolution was estimated 7.09 Å at cryoSPARC.