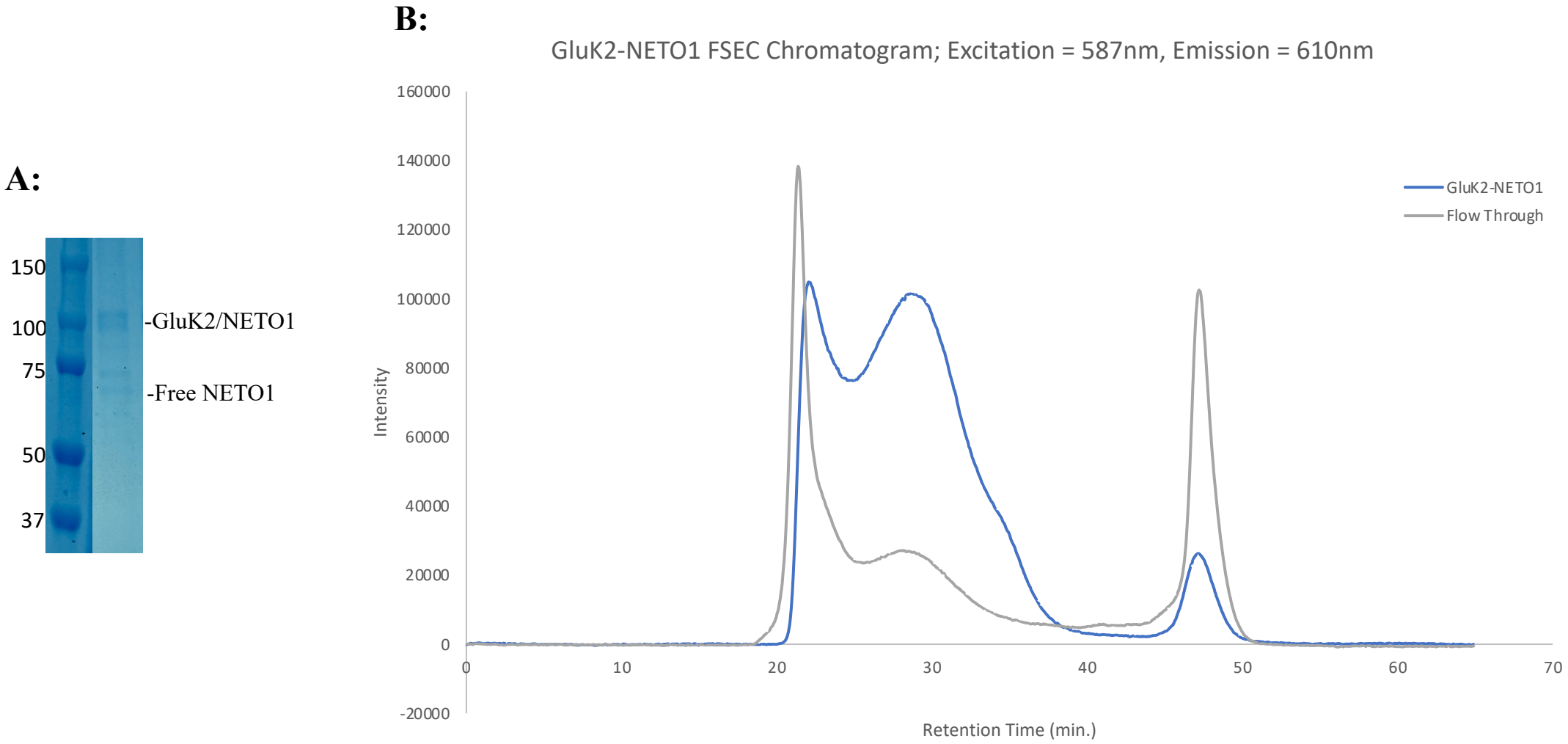

Figure 1: Initial steps of purification of GluK2-NETO1. (**A**) SDS-PAGE Coomassie-stained gel of the GluK2-NETO1 complex after 1D4 purification. (**B**) FSEC chromatogram of the initial flow through from the 1D4 purification and of the GluK2-NETO1 complex. The peak around 20 minutes represents an expected aggregation peak and the peak following at around 30 minutes is the expected peak for the GluK2-NETO1 complex. The sharp peak around 45 minutes is an expected peak for NETO1.

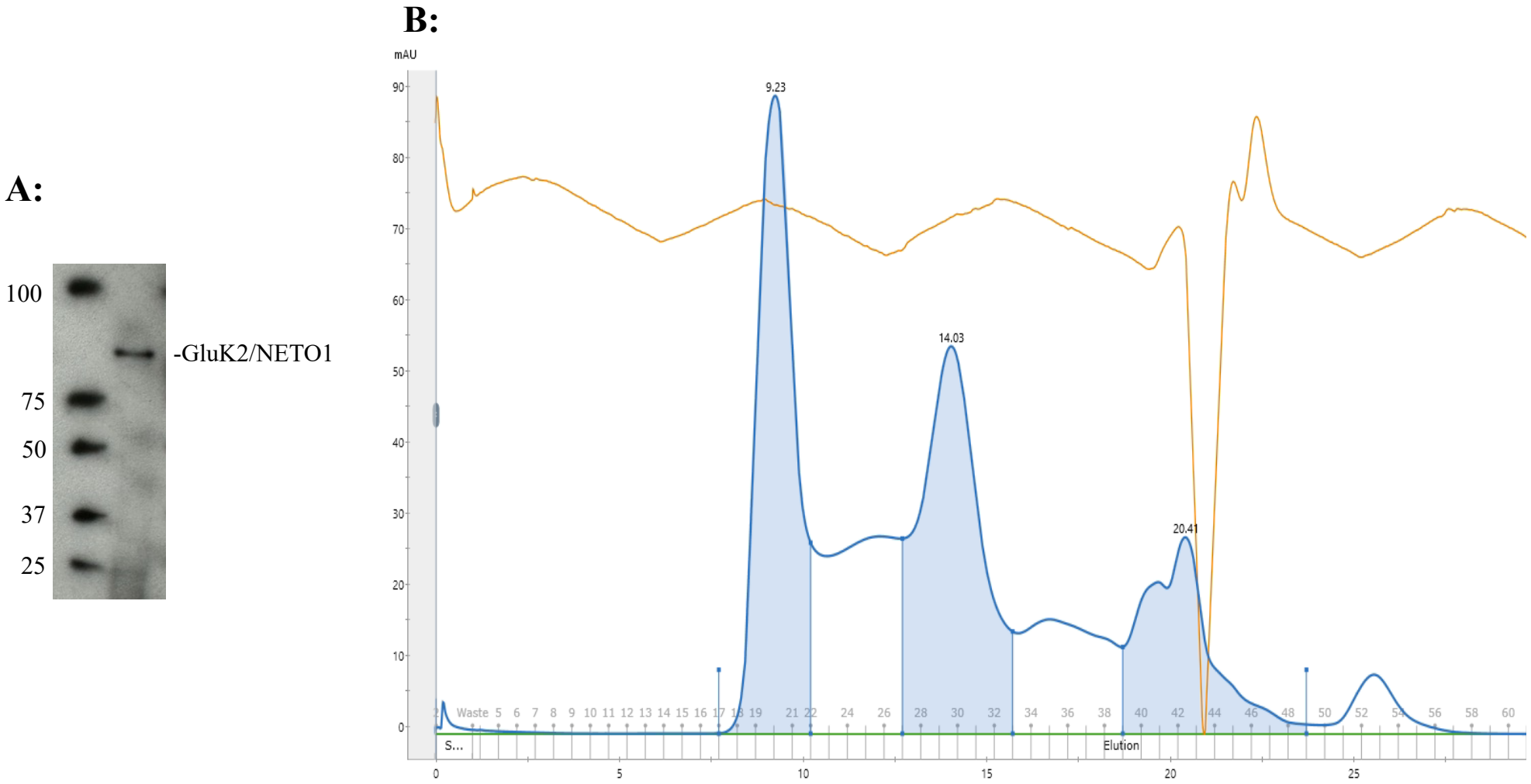

Figure 2: Purification after digestion of the mCherry fluorescent marker. (**A**) Western blot of the GluK2-NETO1 complex. (**B**) Size-exclusion chromatogram of the GluK2-NETO1 complex after 3C-protease digestion. The expected peak for the protein complex is labeled as 14.03 minutes. Based on this chromatogram, the fractions 28, 29, 30, and 31 were collected.

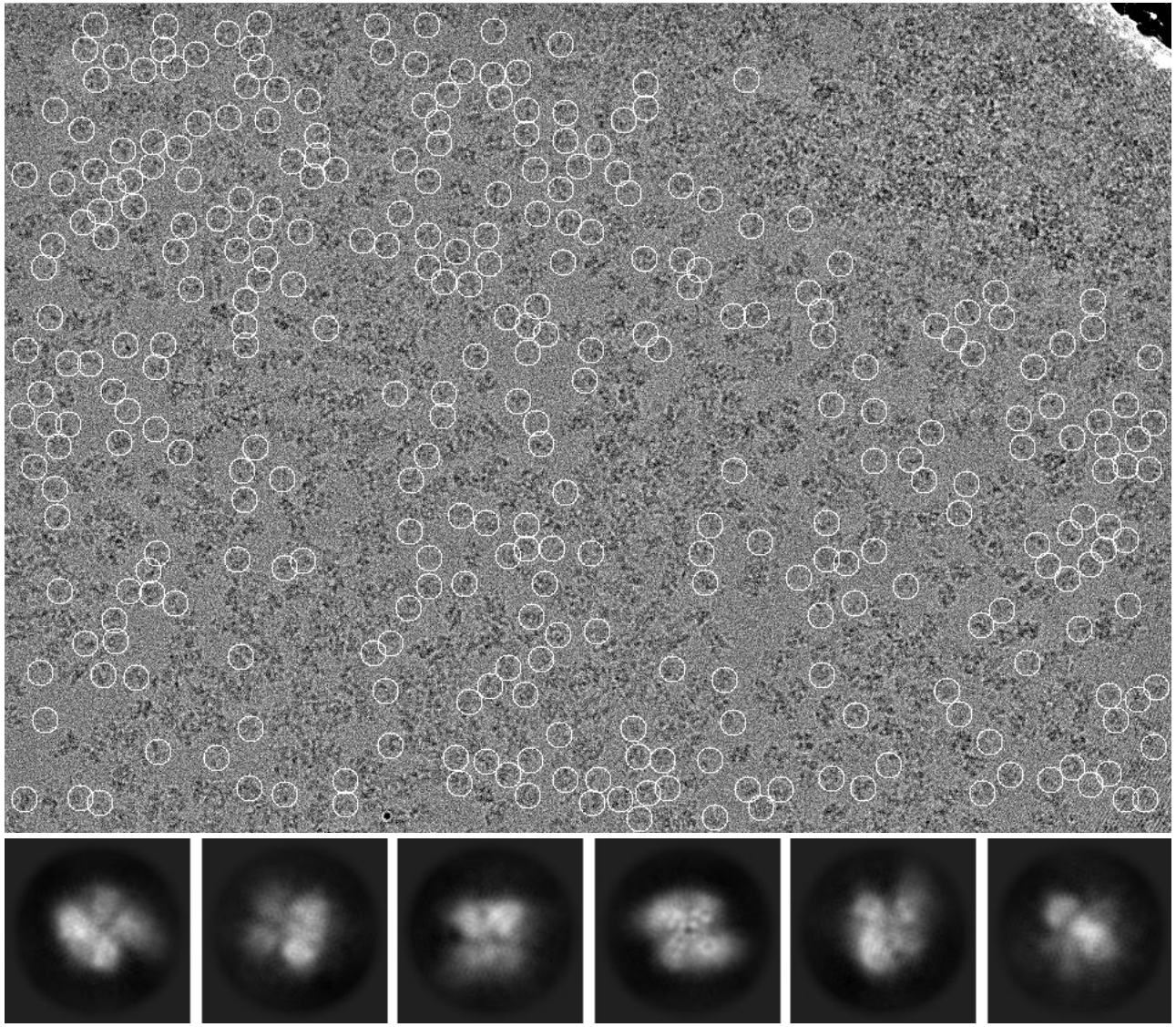

Figure 3: Example CryoEM micrograph of GluK2-NETO1 with obtained 2D classifications. Many of the particles in the micrograph were seen to either be in a preferred orientation or broken. However, this is still promising data because this is further confirmation that my purification procedure worked in obtaining my protein of interest.