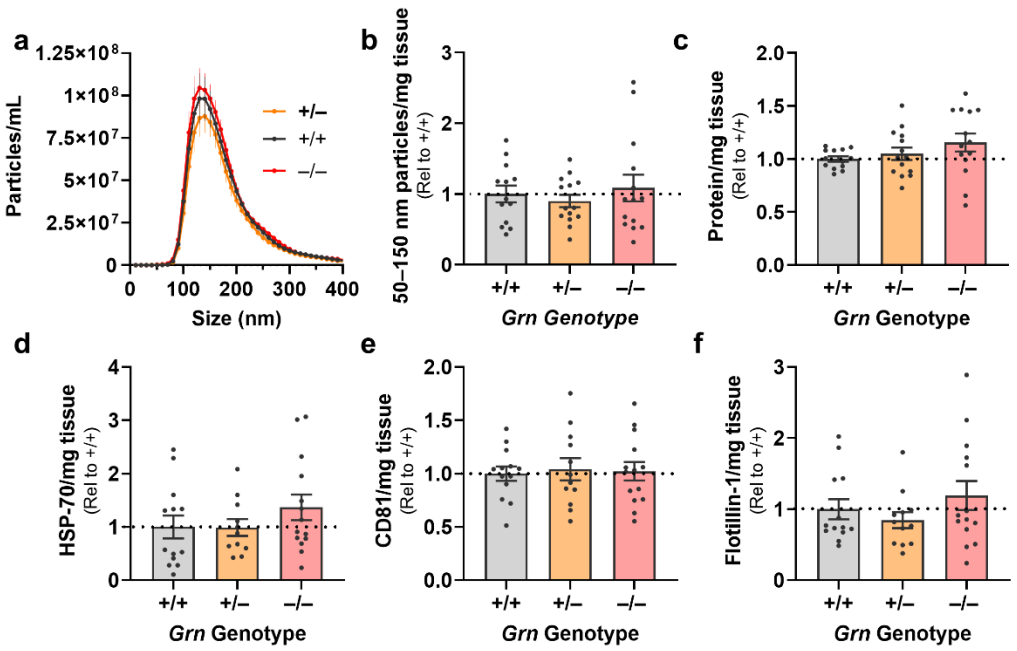

Figure S2 – Normal Levels of Brain EVs in 2–3-month-old *Grn*$^{-/-}$ Mice

a, b, Unlike older, *Grn*$^{-/-}$ mice, brains from 2–3-month-old *Grn*$^{-/-}$ mice did not contain more EVs than wild-type littermates based on nanoparticle tracking analysis (**a**, RM ANOVA effect of genotype, $p = 0.4153$, genotype x particle size interaction, $p = 0.9983$, **b**, ANOVA effect of genotype, $p = 0.6413$). **c**, Fraction 2 from brains of 2–3-month-old *Grn*$^{-/-}$ mice did not contain more protein than wild-type littermates (ANOVA effect of genotype, $p = 0.0053$, but Dunnett's post-hoc test, $p = 0.1556$). **d–f**, Levels of EV marker proteins also did not differ between 2–3-month-old *Grn*$^{-/-}$ and wild-type littermates (**d**, HSP-70, ANOVA effect of genotype, $p = 0.3643$, **e**, CD81, ANOVA effect of genotype, $p = 0.9458$, **f**, Flotillin-1, ANOVA effect of genotype, $p = 0.3296$). All data are corrected for hemibrain weight except for the nanoparticle tracking profiles in **a**. n = 12–14 mice per genotype.