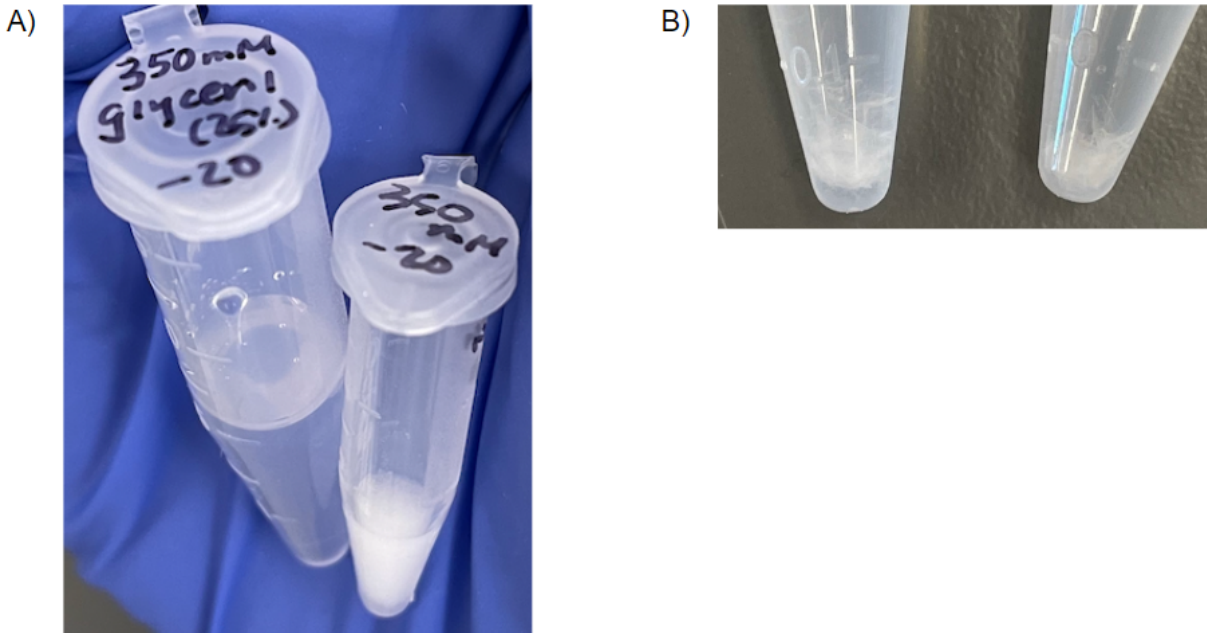


## Supplemental Material



**FIG. S1 Glycerol cryoprotectant prevents rChiC precipitation by promoting solubilization.** (A) Purified rChiC stored at  $-20^{\circ}\text{C}$  with 25% glycerol (left tube) and without glycerol (right tube) demonstrate differences in precipitation. The left tube with glycerol is clear with no visible precipitation whereas the right tube without glycerol contains cloudy snow-like precipitates. (B) Purified rChiC stored at  $4^{\circ}\text{C}$  without glycerol develop insoluble, white needle-like crystals indicative of protein precipitation. Status of stored rChiC (A and B) displayed 7 days post-storage in the figure.