

**Figure 1**

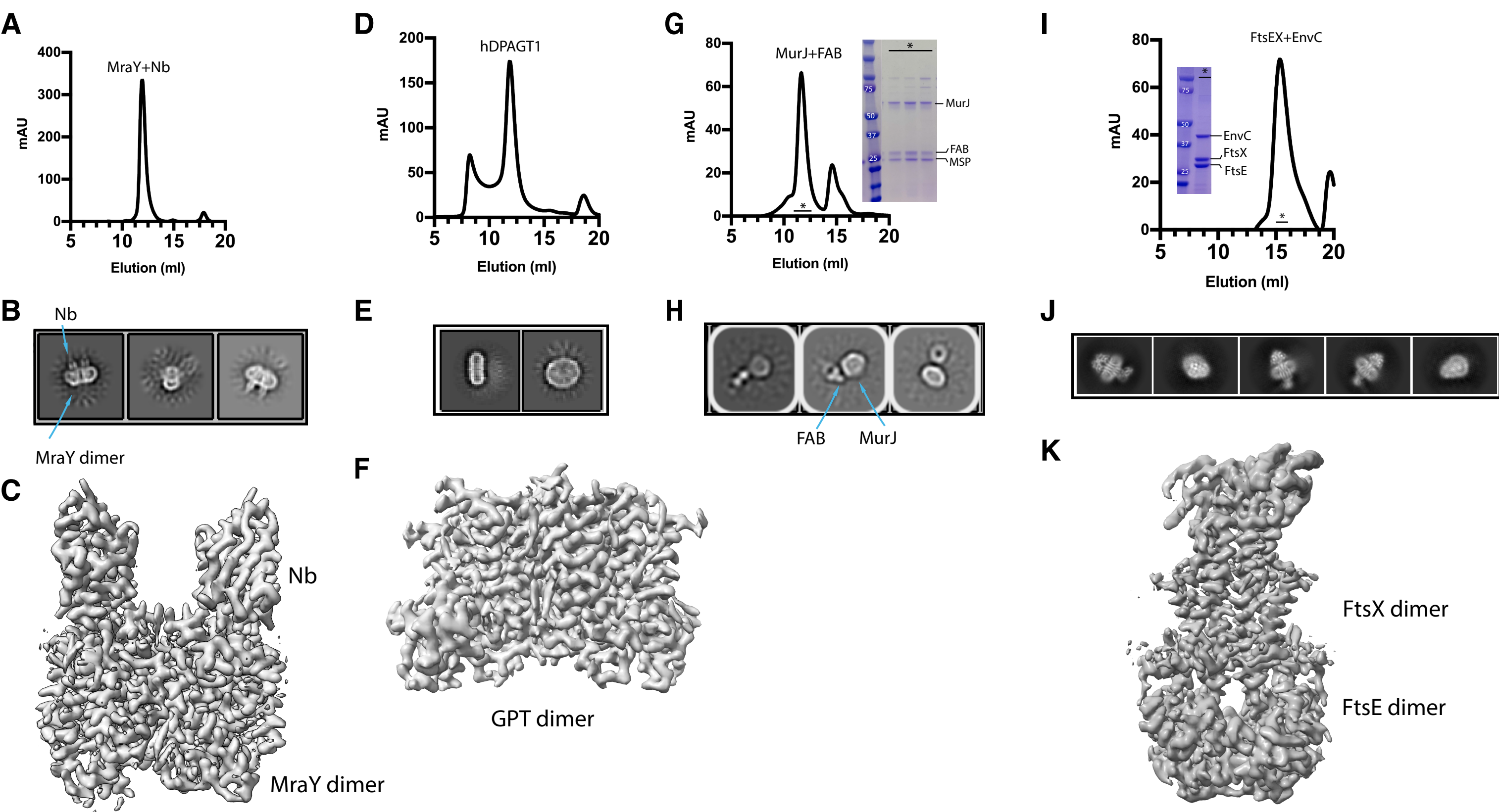


Figure 1. Biochemical and preliminary cryo-EM data

- A. Gel filtration chromatogram of MraY with nanobody.
- B. Representative cryo-EM 2D class averages of MraY with nanobody.
- C. Preliminary 3D reconstruction resolved to 2.8 Å resolution (side view) for MraY with nanobody
- D. Gel filtration chromatogram of DPAGT1
- E. Representative cryo-EM 2D class average of DPAGT1.
- F. Preliminary 3D reconstruction of DPAGT, resolved to 3.3Å resolution
- G. Gel filtration chromatogram and SDS-PAGE image (inset) of MurJ with FAB in nanodisc
- H. Representative cryo-EM 2D class averages of MurJ with FAB.
- I. Gel filtration chromatogram and SDS-PAGE image (inset) of FtsEX-EnvC
- J. Representative cryo-EM 2D class average of FtsEX-EnvC
- K. Preliminary 3D reconstruction of FtsEX with EnvC bound to 3.5Å resolution