

Supplementary Figures:

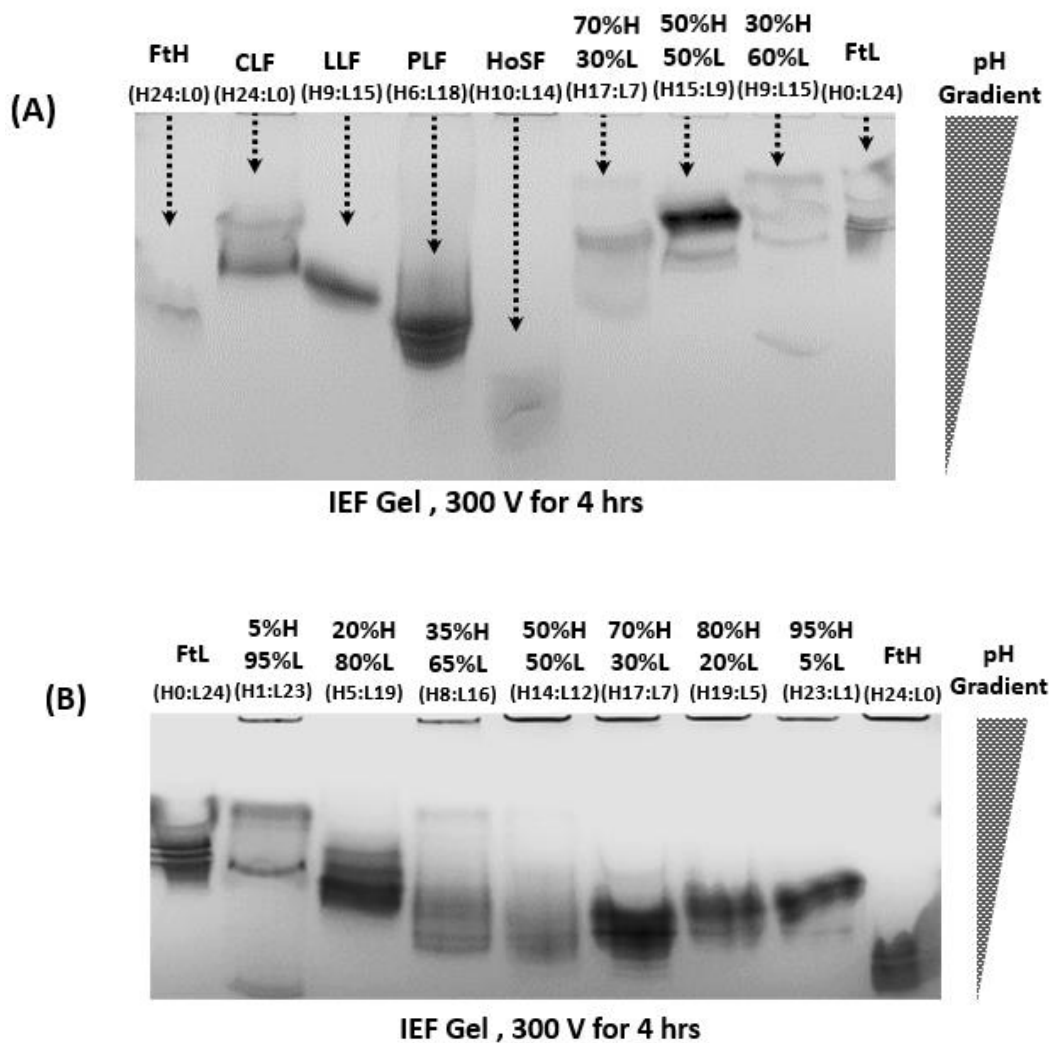
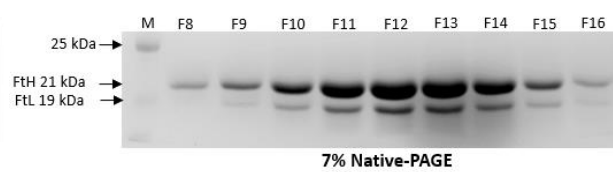
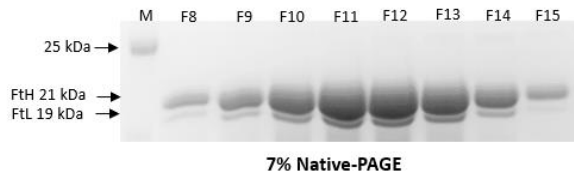
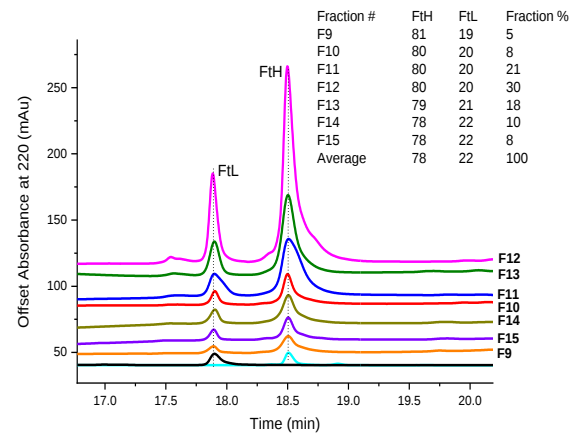
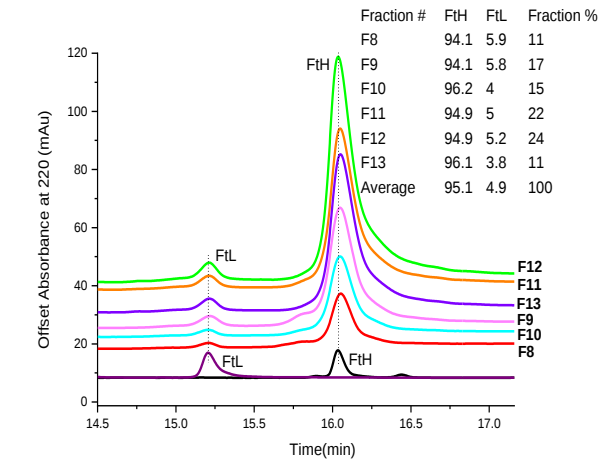


Figure SI-1. Recombinant human homopolymer H (FtH) and L (FtL) and heteropolymer ferritins, and organ extracted ferritins were loaded on Invitrogen Novex native-PAGE isoelectric focusing (IEF) gels (Thermo Fisher Scientific Inc.) for 4hrs at 300V then stained with Coomassie blue. Protein concentrations (0.5-1 μ g per well) were purified by size exclusion chromatography before the IEF run.

H-rich Samples

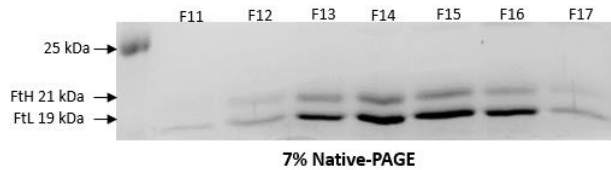
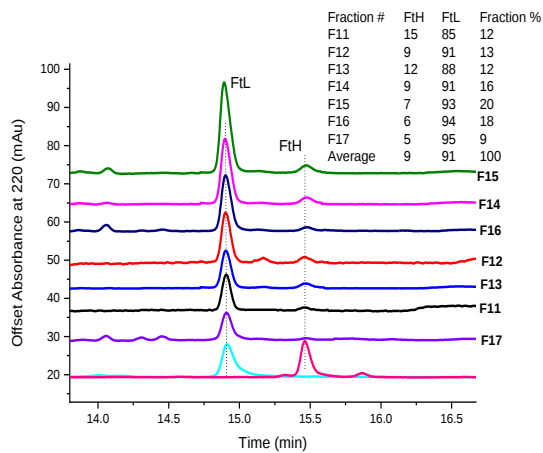
Recombinant Human H-rich Ferritin
(~90%H:10%L)

Recombinant Human H-rich Ferritin
(~80%H:20%L)



L-rich Samples

Recombinant Human L-rich Ferritin (~10% H:90% L)



Recombinant Human L-rich Ferritin (~30% H:70% L)

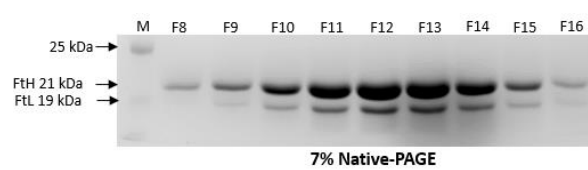
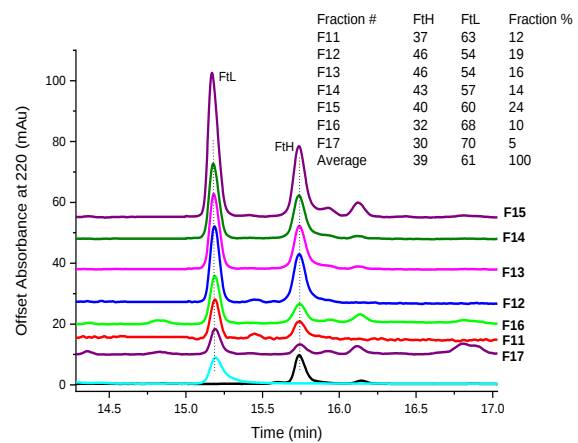


Figure SI-2: Representative SDS-CGE electropherograms of SEC-fractionated samples of recombinant human heteropolymer L-rich and H-rich ferritins following size exclusion chromatography and the corresponding 7% Native-PAGE of the collected fractions.