

| Protein | Mol. Wt (KDa) | Source | Peptide Repeat | Structure | Dimensions | Net Charge at Various pH's* | | |
|-----------|---------------|----------|--|------------------------------------|--|-----------------------------|------------|-----|
| | | | | | | 4.5 | 7.4 | 8.0 |
| Collagen | 300 | Bovine | <i>Gly-Pro-AA[§]</i> or <i>Gly-AA[§]-Hyp</i> | Triple helix | <i>l</i> = 300 nm <i>w</i> = 1.5 nm | + | Slightly + | ~0 |
| Phosvitin | 34 | Egg Yolk | See Ref 16, 17 | α -Helix and β -sheet | 4-6 nm particles | - | - | - |

* The changes to charge of the protein as function of pH are provided in Figures 1C and 1D.
[§] Amino acid