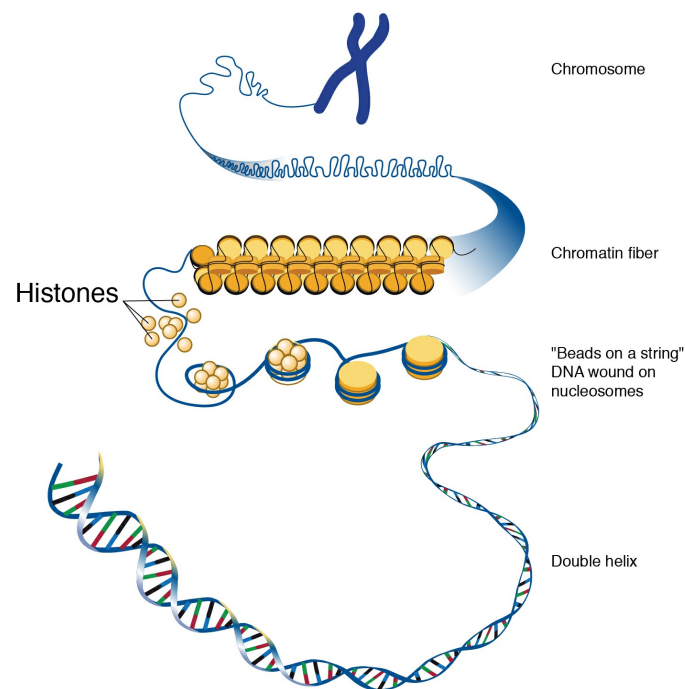


Histone

National Human Genome Research Institute (NHGRI)

Source

National Human Genome Research Institute (NHGRI). *Histone*.



A histone is a protein that provides structural support to a chromosome. In order for very long DNA molecules to fit into the cell nucleus, they wrap around complexes of histone proteins, giving the chromosome a more compact shape. Some variants of histones are associated with the regulation of gene expression.