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Histone H2

National Cancer Institute

Source

National Cancer Institute. *Histone H2*. NCI Thesaurus. Code C114866.

Proteins in the core histone families, histone H2A and histone H2B represent 2 of the 4 families of histones found in the core of nucleosomes. Histones in the H2A family dimerize with those in the H2B family, then two H2A/H2B dimers can associate with a tetramer containing 2 proteins from the histone H3 family and 2 proteins from the histone H4 family to form the octameric nucleosome core. The octameric complex is the basic unit for eukaryotic DNA packaging.