

CHROMATIN

Meaning: Chromatin is a complex of DNA and proteins in the nucleus of a cell that packages genetic material and regulates gene expression, especially during cell division when it condenses into chromosomes.

1. Chromatin structure plays a crucial role in regulating gene expression.
2. During cell division, chromatin condenses to form visible chromosomes.
3. The modifications of histones can lead to changes in chromatin accessibility.
4. Research on chromatin remodeling is essential for understanding many genetic diseases.
5. Chromatin is composed of DNA wrapped around histone proteins, forming a complex structure.

Source: sentences.whatistheurl.com

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