

Topic: Cell Organelles
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Intermediate filaments

- ❖ The third class of filament that makes up the cytoskeleton are the intermediate filaments.
- ❖ They are designated as intermediate filaments because of the intermediate diameter of the filaments as compared to microfilaments and myosin proteins.

Structure

- ❖ Intermediate filaments contain a family of related proteins.
- ❖ The individual filaments are coiled around each other in a helical structure called coiled-coil structure.

Functions

- ❖ Intermediate filaments contribute to the structural integrity of a cell while playing a crucial role in holding tissues of various organs like the skin.

