

Topic: Cell Organelles
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Cytoskeleton

A number of fibrous structures are present in the cytosol that helps give shape to the cell while supporting cellular transport.

Structure

- Around three different classes of fibers make up the cytoskeleton which is: microtubules, microfilaments, and intermediate filaments.
- These are separated based on a protein present in them.

Functions

- i. The critical function of the cytoskeleton is to provide shape and mechanical support to the cell against deformation.
- ii. It allows the expansion and contraction of the cell which assists in the movement of the cell.
- iii. It is also involved in intracellular and extracellular transport of materials.

Cytoskeleton

