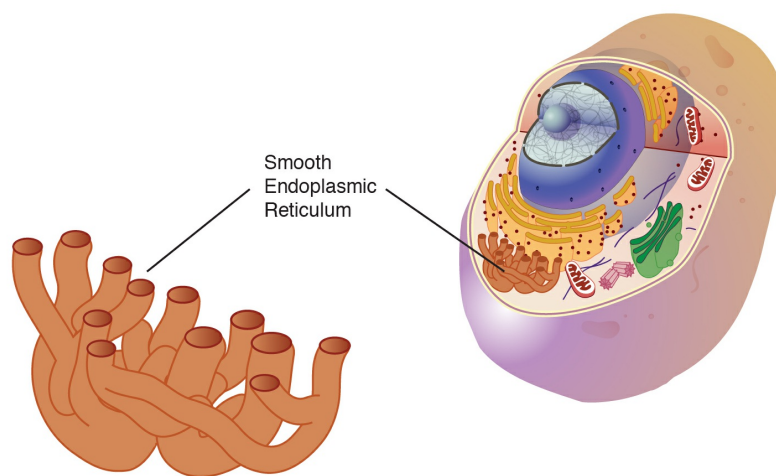


Endoplasmic Reticulum (Smooth)

National Human Genome Research Institute (NHGRI)

Source

National Human Genome Research Institute (NHGRI). *Endoplasmic Reticulum (Smooth)*.



Endoplasmic reticulum is a network of membranes inside a cell through which proteins and other molecules move. Proteins are assembled at organelles called ribosomes. When proteins are destined to be part of the cell membrane or exported from the cell, the ribosomes assembling them attach to the endoplasmic reticulum, giving it a rough appearance. Smooth endoplasmic reticulum lacks ribosomes and helps synthesize and concentrate various substances needed by the cell.