

Cell-surface receptor

Cell surface [receptors](#) ([membrane receptors](#), [transmembrane receptors](#)) are receptors that are embedded in the membranes of cells. They act in [cell signaling](#) by receiving (binding to) extracellular molecules. They are specialized integral membrane proteins that allow communication between the cell and the extracellular space. The extracellular molecules may be hormones, neurotransmitters, cytokines, growth factors, cell adhesion molecules, or nutrients; they react with the receptor to induce changes in the metabolism and activity of a cell. In the process of signal transduction, ligand binding affects a cascading chemical change through the cell membrane.

see [Integrin](#)

see [Receptor tyrosine kinase](#).

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