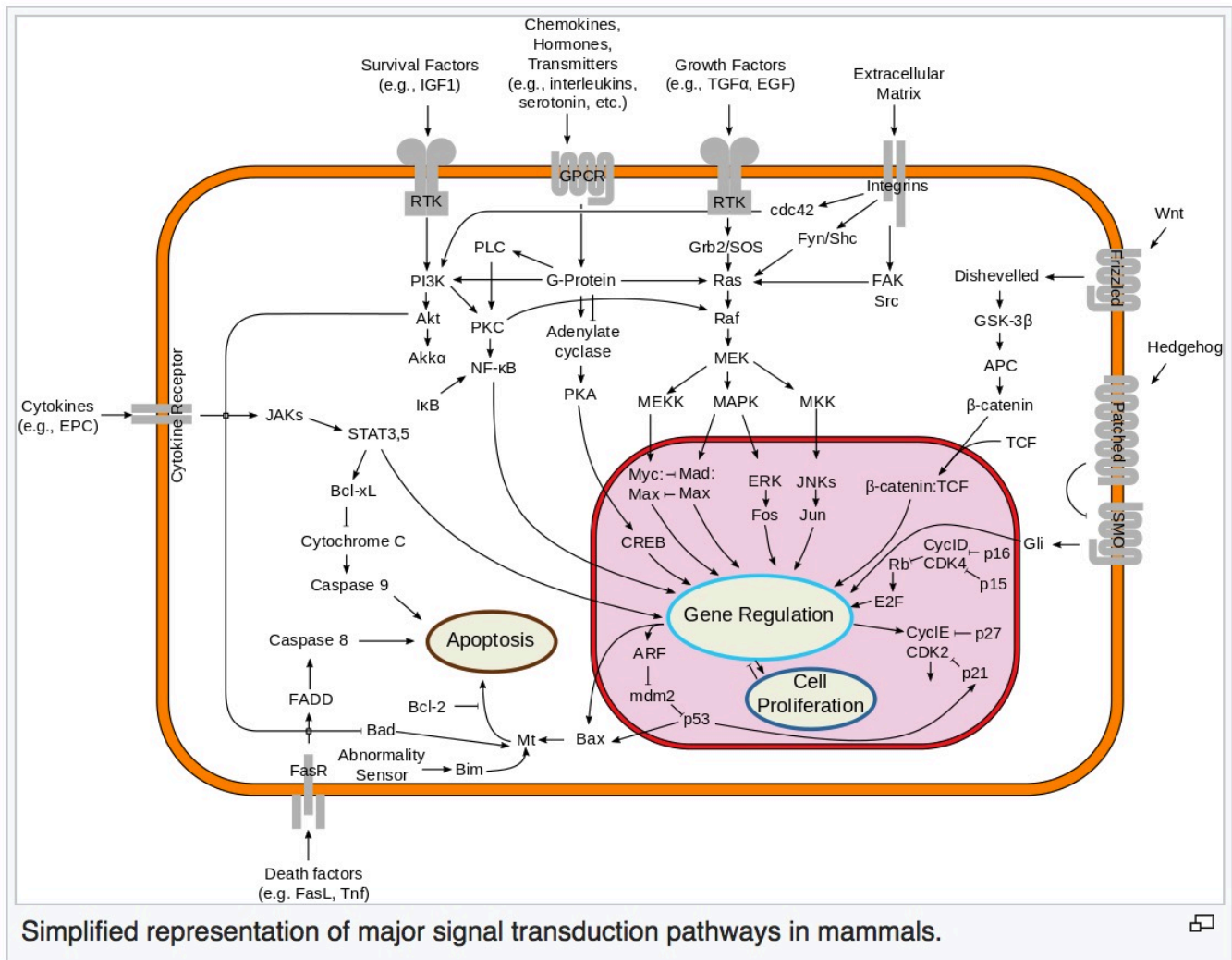


# G protein coupled receptor

(GPCRs) which are also known as seven-transmembrane domain receptors, 7TM receptors, heptahelical receptors, serpentine receptor, and **G protein**-linked receptors (GPLR), constitute a large protein family of receptors, that detect molecules outside the cell and activate internal signal transduction pathways and, ultimately, cellular responses. Coupling with G proteins, they are called seven-transmembrane receptors because they pass through the cell membrane seven times



Frizzled is a family of **G protein coupled receptor** proteins that serves as receptors in the **Wnt signaling pathway** and other **signaling pathways**. When activated, Frizzled leads to activation of Dishevelled in the cytosol.

see [GPR65](#).

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