

Platelet-derived growth factor

Platelet-derived growth factor (PDGF) is one of numerous growth factors that regulate **cell growth** and division. In particular, PDGF plays a significant role in blood vessel formation, the growth of blood vessels from already-existing blood vessel tissue, mitogenesis, i.e. proliferation, of mesenchymal cells such as fibroblasts, osteoblasts, tenocytes, vascular smooth muscle cells and mesenchymal stem cells as well as chemotaxis, the directed migration, of mesenchymal cells. Platelet-derived growth factor is a dimeric glycoprotein that can be composed of two A subunits (PDGF-AA), two B subunits (**PDGF-BB**), or one of each (PDGF-AB).

see **PDGFRB**.

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