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Recombinant Platelet-Derived Growth Factor

National Cancer Institute

Source

National Cancer Institute. *Recombinant Platelet-Derived Growth Factor*. NCI Thesaurus. Code C755.

Expressed in platelets, human Platelet-Derived Growth Factor (PDGF/VEGF Family) is a mitogenic factor for mesenchymal cells characterized by a motif of eight cysteines and released upon wounding to stimulate adjacent cell growth. PDGF can exist as antiparallel disulfide-linked homodimers (PDGFA, PDGFB) or heterodimers (PDGFA/PDGFB) that could bind to PDGF receptor and may elicit a variety of cellular responses. A and B homodimers are implicated in transformation processes. (NCI)