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Romiplostim

National Cancer Institute

Source

National Cancer Institute. *Romiplostim*. NCI Thesaurus. Code C52183.

A recombinant protein with megakaryopoiesis stimulating activity. Romiplostim mimics endogenous thrombopoietin (TPO), directly binding to and activating the platelet thrombopoietin receptor (TpoR, Mpl, or CD110 antigen), a cytokine receptor belonging to the hematopoietin receptor superfamily. Activation of TpoR stimulates the proliferation and differentiation of megakaryocytes, resulting in an increase in the production of blood platelets.