

32-9299: Recombinant Human Platelet-derived Growth Factor Receptor/PDGF Ralpha (C-6His)

Alternative Name : Platelet-derived growth factor receptor alpha; PDGFR-alpha; Alpha platelet-derived growth factor receptor; CD140 antigen-like family member A; Platelet-derived growth factor alpha receptor; Platelet-derived growth factor receptor 2; PDGFR-2; CD140a

Description

Source : Human Cells;

Platelet-derived Growth Factor Receptor Alpha (PDGF R-Alpha) is an enzyme that belongs to the class III subfamily of receptor tyrosine kinases. It is a type I transmembrane glycoprotein, and can form homo- or hetero-dimeric receptors when engaged by dimers of the PDGF family of growth factors. PDGF R-Alpha is strongly expressed in oligodendrocyte, lung, skin and intestinal progenitor cells and induced by inflammation or growth in culture, but is lowly expressed in most mesenchymal cells. PDGF R-Alpha autophosphorylates upon dimerization, activating signaling cascades in PI-3kinase Ras-MAP kinase, and PLC-gamma pathways. PDGF R-Alpha has influence on local gradients of epithelially produced PDGF-AA or PDGF-CC during formation of the cranial, cardiac neural crest and interstitial kidney mesenchyme.

Product Info

Amount : 500 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Amino Acid : Recombinant Human Platelet-derived Growth Factor Receptor Alpha is produced by our Mammalian expression system and the target gene encoding Gln24-Glu524 is expressed with a 6His at the C-terminus.