

32-7565: Recombinant Human Platelet-derived Growth Factor Receptor Alpha/PDGF Ra (C-6His)(Discontinued)

Gene : PDGFRA
Gene ID : 5156
Uniprot ID : P16234

Description

Source: Human Cells.

MW :57kD.

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. 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 : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : QLSLP SILPNENEKVVQLNSSFSLRCFGESEVSWQYPMSEEESSDVEIRNEENNSGLFVTVLEVSS
ASAAHTGLYTCYYNHTQTEENELEGRHIYIYVDPDVA FVPLGMTDYL VIVEDDDSAIIPCRTTDPET
PVT LHNSEGVVPASYDSRQGFNGTFTVGPYICEATVKGKKFQTIPFN VYALKATSELDLEMEALKTV
YKSGETIVVTC AVFNNEVVDLQWTYPGEVKGKGITMLEEIKVPSIKLVYTLTVPEATVKDSGDYECA
ARQATREVKEMKKVTISVHEKGFIEIKPTFSQLEAVNLHEVKHFVVEVRAYPPPRISWLKNNLT LIEN
LTEITTDVEKIQEIRYRSKLK LIRAKEEDSGHYTIVAQNEDAVKSYTFELLTQVPSSILD LVDDHHGST
GGQTVRCTAEGTPLPDIEWMICKDIKKCNNETSWTILANNVSNITEIHSRDRSTVEGRVTFAKVEET
IAVRCLAKNLLGAENRELKLVAPTLRSEHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 Åµg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.