

## 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 :** QLSLPSILPNENEKVVQLNSSFLRCFGESEVSWQYPMSEEESSDVEIRNEENNSGLFVTVLEVSSASAAHTGLY TCYNNHTQTEENELEGRHIYVDPDPAFVPLGMTDYLVIVEDDDSAIIPCRRTTDPETPVTLHNSEGVVPASYDS RQGFNGTFTVGPYICEATVKGKFKQTFNPNVYALKATSELDLEMEALKTVYKSGETIVVTCAVFNNEVVDLQWTY PGEVKGKGITMLEEIKVPSIKLVYTLTVPEATVKDSGDYECARQATREVKEMKKVTISVHEKGFIEIKPTFSQLEA VNLHEVKHFVVEVRAYPPRISWLKNNLTLIENLTEITDVEKIQEIRYRSKLLIRAKEEDSGHYTIVAQNEDAVK SYTFELLTQVPSSILDVDDHHGSTGGQTVRCTAEGTLPDIEWMICKDIKKCNNETSWTILANNVSNIIETIHSR DRSTVEGRVTFKVEETIAVRCLAKNLLGAENRELKLVAPT LRSEHHHHHHH

### 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 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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