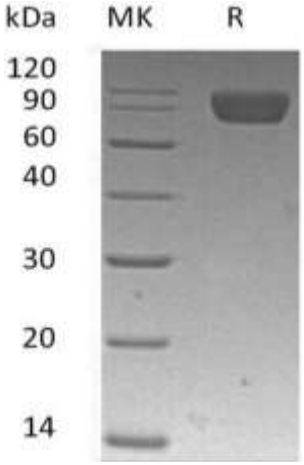
Recombinant Human PDGF Rα

Catalog No: C658

Description	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.
Source	Human cells
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
Accession No.	P16234
Predicted Molecular Weight	57kDa
Apparent Molecular Weight	93kDa, reducing conditions.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg).
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	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. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	Platelet-derived Growth Factor Receptor Alpha (PDGF Rα) 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 Rα 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 Rα autophosphorylates upon dimerization, activating signaling cascades in PI-3kinase Ras-MAP kinase, and PLC-γ pathways. PDGF Rα has infulence on local gradients of epithelially produced PDGF-AA or PDGF-CC during formation of the cranial ,cardiac neural crest and interstitial kidney mesenchyme.

SDS-PAGE



MK: Marker

R: Sample under reducing conditions