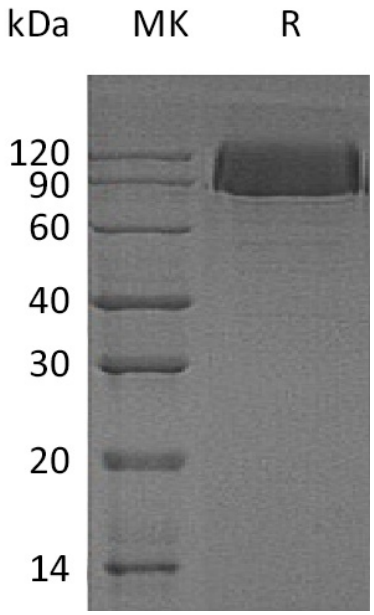
Product Name: Recombinant Human PDGFRB (C-6His)
Catalog #: PHH1289

Summary

Name	PDGF R beta/PDGFRB/PDGFRβ/CD140b
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Platelet-Derived Growth Factor Receptor Beta is produced by our Mammalian expression system and the target gene encoding Leu33-Phe530 is expressed with a 6His tag at the C-terminus.
Accession #	AAH32224.1
Host	Human Cells
Species	Human
Predicted Molecular Mass	57.17 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. 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.

SDS-PAGE image

Product Name: Recombinant Human PDGFRB (C-6His)
Catalog #: PHH1289



Alternative Names

Platelet-Derived Growth Factor Receptor Beta; PDGF-R-Beta; PDGFR-Beta; Beta Platelet-Derived Growth Factor Receptor; Beta-Type Platelet-Derived Growth Factor Receptor; CD140 Antigen-Like Family Member B; Platelet-Derived Growth Factor Receptor 1; PDGFR-1; CD140b; PDGFRB; PDGFR; PDGFR1

Background

Platelet-Derived Growth Factor Receptor β (PDGFR-β) is a member of the protein kinase superfamily and CSF-1/PDGF receptor subfamily. The PDGF family consists of PDGF-A, -B, -C and -D, which form either homo- or heterodimers (PDGF-AA, -AB, -BB, -CC, -DD). The four PDGFs are inactive in their monomeric forms. The PDGFs bind to the protein tyrosine kinase receptors PDGF receptor-α and -β. These two receptor isoforms dimerize upon binding the PDGF dimer, leading to three possible receptor combinations, namely -αα, -ββ and -αβ. The extracellular region of the PDGF receptor-β consists of five immunoglobulin-like domains while the intracellular part is a tyrosine kinase domain. In addition to being a potent mitogen for cells of mesenchymal origin, PDGF has also been shown to be a potent chemoattractant for mesenchymal cells, mononuclear cells, and neutrophils and has been reported to be important in the modification of cellular matrix constituents.

Note

For Research Use Only , Not for Diagnostic Use.