Biotinylated Recombinant Human PDGFR-beta /CD140b Protein

Catalog No.: RP02478B

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Sequence Information

Species
Human

Gene ID
5159

Swiss Prot
P09619

Tags
C-His&Avi

Synonyms
CD140B,IBGC4,IMF1,JTK12,KOGS, PDGFR,PDGFR-1,PDGFR1,PENTT, PDGF Receptor beta,PDGFRB, PDGFR beta

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW
59 kDa

Observed MW
78-115 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5%

Background

PDGF is a major serum mitogen that can exist as a homo or hetero-dimeric protein consisting of disulfide-linked PDGF-A and PDGF-B chains. The PDGF-AA,PDGF-BB and PDGF-AB isoforms have been shown to bind to two distinct cell surface PDGF receptors with different affinities. Where as PDGF R alpha binds all three PDGF isoforms with high affinity, PDGF R beta binds PDGF-BB only with high-affinity. PDGF R plays an essential role in blood vessel development by promoting proliferation, migration and recruitment of pericytes and smooth muscle cells to endothelial cells. Plays a role in the migration of vascular smooth muscle cells and the formation of neointima at vascular injury sites.

Basic Information

Description
Biotinylated Recombinant Human PDGF R beta Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Leu33-Phe530) of Human PDGF R beta fused with His tag and Avi tag at the C-terminal.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

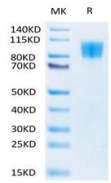
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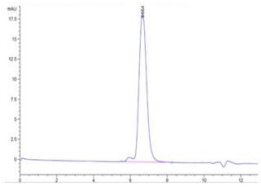
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Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Validation Data



Biotinylated Recombinant Human PDGFR-beta/CD140b Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human PDGF R beta Protein is greater than 95% as determined by SEC-HPLC.

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