

Datasheet for ABIN7275446

PDGFRB Protein (His-Avi Tag,Biotin)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	PDGFRB
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDGFRB protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Leu33-Phe530
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	PDGFRB
Alternative Name:	PDGF R beta (PDGFRB Products)
Background:	JTK12, PDGF R beta, PDGFR, PDGFR1, PDGFRB, CD140B, PDGFR-2, PDGFR-β,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

Target Details

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.

Molecular Weight: 59 kDa. Due to glycosylation, the protein migrates to 78-115 kDa based on Tris-Bis PAGE result.

UniProt: [P09619](#)

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Inositol Metabolic Process](#), [Glycosaminoglycan Metabolic Process](#), [Smooth Muscle Cell Migration](#), [Platelet-derived growth Factor Receptor Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

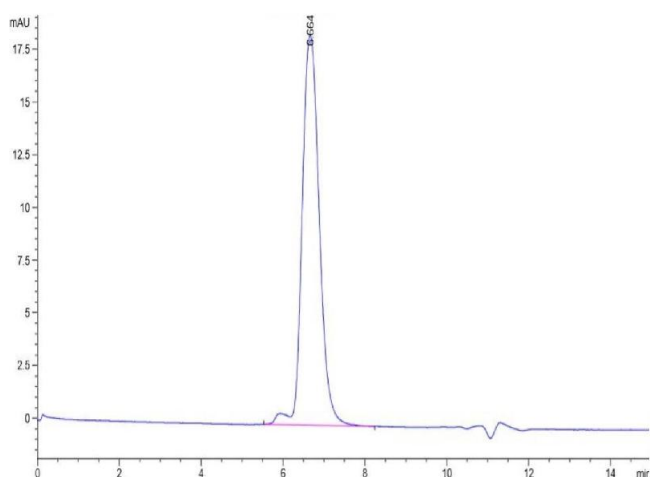
Buffer: Supplied as 0.22µm filtered solution in PBS (pH 7.4).

Storage: -80 °C

Storage Comment: Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

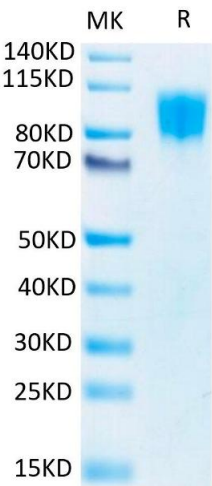
Expiry Date: 12 months

Images



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Biotinylated Human PDGF R beta is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Biotinylated Human PDGF R beta on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .