

# Biotinylated Human PDGF R alpha/PDGFR Protein

Cat. No. PFR-HM40AB

Description	
Source	Recombinant Biotinylated Human PDGF R alpha/PDGFR Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Gln24-Glu524.
Accession	P16234
Molecular Weight	The protein has a predicted MW of 59.2 kDa. Due to glycosylation, the protein migrates to 70-83 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

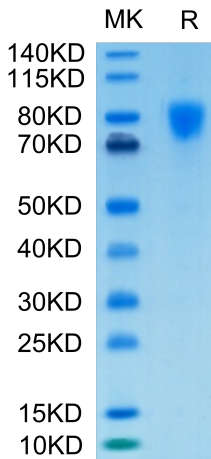
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

**Background**

Platelet-derived growth factor is commonly known as a mitogen. Many research data suggest a role for PDGF-beta R in the mitogenic response of mesangial cells. There are four members of PDGF family known as PDGF-A chain, PDGF-B chain, PDGF-C chain and PDGF-D chain, which in active forms are dimers. As far as two receptors PDGF-alpha R and PDGF-beta R are known to bind PDGF.

## Assay Data

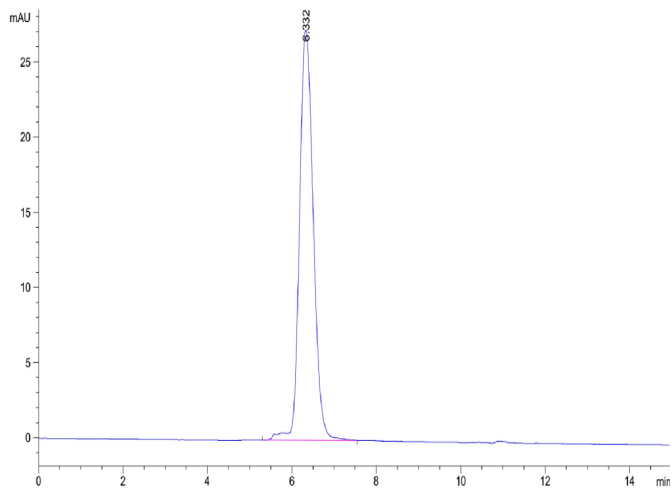
### Tris-Bis PAGE



Biotinylated Human PDGF R alpha/PDGFR on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Biotinylated Human PDGF R alpha/PDGFRA is greater than 95% as determined by SEC-HPLC.